

ORDIN DE PLATA NR.: 3059

TIP.DOC. 1 :

DATA EMITERII:miercuri, 14 augus:

PLATITI: 900-00

LEI: Noua Sute lei 00 bani

PLATITOR: (R) "BIOSISTEM
MLD" S.R.L.

CONTUL DE PLATI/CODUL IBAN :
MD95ML000000002251429243 :
CODUL FISCAL :1010600028048 / :

PRESTATORUL PLATITOR

CODUL BANCII:

BC"Moldindconbank"S.A. suc."Invest" Chisinau

:MOLDMD2X329:

BENEFICIAR (R) AGEN?IA NA?
IONALA PENTRU SANATATE PUBLIC
A

CONTUL DE PLATI/CODUL IBAN :
MD91TRPCAA518410A01513AA :
CODUL FISCAL :1018601000021 / :

PRESTATORUL BENEFICIAR

CODUL BANCII:

Ministerul Finantelor - Trezoreria de Stat

:TREZMD2X :

DESTINATIA PLATII:/P102/900,00 Pentru ga:
rantia pentru oferta la procedura de ach:
izi?ie publica nr. ocds-b3wdp1-MD-17212:
87026940 din 15.08.2024 :

TIPUL TRANSFERULUI :
NORMAL/URGENT :N:

L.S.

CODUL TRANZACTIEI:101:

DATA PRIMIRII:14/08/2024

DATA EXECUTARII:

SEMNETURILE

EMITENTULUI

CONDUCATOR:Web Poiata Vitalie

MIIGYwYJKoZihvcNAQcCoIIGVDCCBlACAQExCzAJBgUrDgMCGGUAMAsGCSqGSIB3:
DQEHAaACCBGwwggRoMIIDUKADAgECAhNHAaEDi65avx+fXSldAAAAAQOLMA0GCSqG:
SIB3DQEBCwUAMCIxIDAeBgNVBAMTF0NFULQxLUNBLU1vbGRpbmRjb25iYW5rMB4X:
DTI0MDEyNTExMzM1NloXDTI3MDEyNTExNDM1NlowgZ8xCzAJBgNVBAYTAk1EMRAw:
YDVQIIEwdNb2xkb3ZhmREwDwYDVQQHEWhDaGlzaw5hdTEWMBQGA1UEChMNQm1v

(semnatura electronica)

CONTABIL-SEF:Web Nasedchin Alexandr

MIIGZwYJKoZihvcNAQcCoIIGWDCCBlQCAQExCzAJBgUrDgMCGGUAMAsGCSqGSIB3:
DQEHAaACCBHAWggRSMIIDVKADAgECAhNHAaEDijjVd7aJ5r0rAAAAAQOKMA0GCSqG:
SIB3DQEBCwUAMCIxIDAeBgNVBAMTF0NFULQxLUNBLU1vbGRpbmRjb25iYW5rMB4X:
DTI0MDEyNTExMzMzNVowXDTI3MDEyNTExNDMzNVowgaMxCzAJBgNVBAYTAk1EMRAw:
YDVQIIEwdNb2xkb3ZhmREwDwYDVQQHEWhDaGlzaw5hdTEWMBQGA1UEChMNQm1v

L.S.

(semnatura electronica)

CONDUCATOR:

(semnatura manuala)

CONTABIL-SEF:

(semnatura manuala)

SEMNETURA PRESTATORUL

L.S.

MOTIVUL REFUZULUI

L.S.



GUVERNUL
REPUBLICII
MOLDOVA



SERVICIUL FISCAL DE STAT



CERTIFICAT

privind lipsa sau existența restanțelor față de bugetul public național

Nr.
№

1753048

Din
От

02.08.2024 17:53



DATE DESPRE CONTRIBUABIL / ИНФОРМАЦИЯ О НАЛОГОПЛАТЕЛЬЩИКЕ

Codul fiscal / Numărul de identificare

Фискальный код / Идентификационный номер

1010600028048

Denumirea

Наименование

Societatea cu Răspundere Limitată BIOSISTEM MLD



ATESTAREA LIPSEI SAU EXISTENȚEI RESTANȚELOR CONFORM DATELOR SISTEMULUI

INFORMAȚIONAL AUTOMATIZAT / ПОДТВЕРЖДЕНИЕ ОТСУТСТВИЯ ИЛИ НАЛИЧИЯ

ЗАДОЛЖЕННОСТЕЙ СОГЛАСНО ДАННЫМ ИНФОРМАЦИОННОЙ АВТОМАТИЗИРОВАННОЙ СИСТЕМЫ

La data emiterii prezentului certificat restanța față de bugetul public național constituie

На дату выдачи данной справки задолженность перед национальным публичным бюджетом составляет

0 MDL



VALABIL PÂNĂ LA / ДЕЙСТВИТЕЛЕН ДО

17.08.2024 17:53



Prezentul document este eliberat în temeiul Art. 29, alin. (3) din Legea cu privire la registre nr. 71/2007 și în baza datelor furnizate de Serviciul Fiscal de Stat în Portalul Guvernamental al Cetățeanului și al Unităților de Drept / Справка выдана в соответствие со ст. 29 п. (3) Закона о реестрах № 71/2007 на основании данных, предоставленных Государственной налоговой службой на Портале Правительства Гражданина и Юридических Лиц.

Generat și semnat de Portalul Guvernamental al Cetățeanului și al Unităților de Drept la 02.08.2024 17:53

Prezentul certificat este semnat electronic în conformitate cu Legea nr.124 din 19.05.2022

Сертификат подписан электронной подписью в соответствии с Законом № 124 от 19.05.2022



Certificatul este descărcat din Portalul Guvernamental al Cetățeanului și al Unităților de Drept (mcabinet.gov.md) și este semnat electronic de către posesorul acestui portal și are același valoare juridică ca și documentele eliberate pe suport de hârtie de către organele cu atribuții de administrare fiscală. Verificarea autenticității semnăturii electronice poate fi realizată cu ajutorul Serviciului Guvernamental de Semnătură Electronică (msign.gov.md)

Сертификат скачен с Правительственного Портала Гражданина и Юридических Лиц (mcabinet.gov.md) и подписан электронной подписью владельца портала и имеет такую же юридическую силу, как и документы выдаваемые на бумаге органами налоговой администрации. Проверку подлинности электронной подписи можно осуществить с помощью Государственной Службой Электронной Подписью (msign.gov.md)



BC "MOLDINDCONBANK" S.A.

Filiala "Invest"

Republica Moldova, MD-2068
mun. Chișinău, bd. Moscovei, 14/1
Tel. : (373-22) 43-44-81, 43-46-24
Fax : (373-22) 43-44-22
cod: MOLDMD2X329

Data 14. IAN. 2016
Nr. 03/2 - 19/23

Республика Молдова, MD-2068
мун. Кишинэу, бул. Московской, 14/1
Тел. : (373-22) 43-44-81, 43-46-24
Факс : (373-22) 43-44-22
код: MOLDMD2X329

Filiala „Invest” BC „Moldindconbank” SA confirmă existența contului curent în moneda națională al **“BIOSISTEM MLD” S.R.L. (c/f 1010600028048)**, cu **IBAN MD95ML000000002251429243**.

Codul băncii MOLDMD2X329.

Director

Nina Turcan

Director financiar



Nina Balmuş

Ex. Diana Brinza
Tel. 43-45-96

REPUBLICA



MOLDOVA

CERTIFICAT DE ÎNREGISTRARE

Societatea cu Răspundere Limitată "BIOSISTEM MLD"
— ESTE ÎNREGISTRATĂ LA CAMERA ÎNREGISTRĂRII DE STAT —

Numărul de identificare de stat - codul fiscal
1010600028048

Data înregistrării

12.08.2010

Data eliberării

12.08.2010

Svirepova Ludmila, registrator

*Funcția, numele, prenumele persoanei
care a eliberat certificatul*

A. Svirid
semnătura

MD 0101250





AGENȚIA SERVICII PUBLICE

Departamentul înregistrare și licențiere a unităților de drept

EXTRAS

din Registrul de stat al persoanelor juridice

Nr. 531522 data 15.09.2023

Denumirea completă: **Societatea cu Răspundere Limitată "BIOSISTEM MLD"**

Denumirea prescurtată: **"BIOSISTEM MLD" S.R.L.**

Forma juridică de organizare: **Societate cu răspundere limitată,**

Numărul de identificare de stat și codul fiscal (IDNO): **1010600028048**

Data înregistrării de stat: **12.08.2010**

Sediul: **MD-2001, str. Albișoara, 16/1, ap. 7, mun. Chișinău, Republica Moldova.**

Obiectul principal de activitate:

- 1. Activitatea farmaceutică; importul și (sau) producerea articolelor de parfumerie și cosmetică**
- 2. Fabricarea, comercializarea, asistența tehnică, repararea și verificarea articolelor de tehnică și optică medicală**
- 3. Acordarea asistenței medicale de către instituțiile medico-sanitare private**
- 4. Comerțul cu ridicata al calculatoarelor, echipamentelor periferice și software-ului**
- 5. Întreținerea și repararea mașinilor de birou și a tehnicii de calcul**
- 6. Consultații în domeniul sistemelor de calcul**

Capitalul social: **5400 lei,**

Administrator: **POIATA VITALIE, IDNP 0983103892591,**

Asociații:

1. **POIATA VITALIE, IDNP 0983103892591, cota 1803,60 lei, ce constituie 33,4%**

Beneficiar efectiv:

- 1.1. **POIATA VITALIE, IDNP 0983103892591,**

2. **NASEDCHIN ALEXANDR, IDNP 2002001070747, cota 1798,20 lei, ce constituie 33,3%**

Beneficiar efectiv:

- 2.1. **NASEDCHIN ALEXANDR, IDNP 2002001070747,**

3. **KOJEVNIKOV DMITRII, IDNP 0972305012362, cota 1798,20 lei, ce constituie 33,3%**

Beneficiar efectiv:

- 3.1. **KOJEVNIKOV DMITRII, IDNP 0972305012362**

Prezentul extras este eliberat în temeiul art.34 al Legii nr.220-XVI din 19 octombrie 2007 privind înregistrarea de stat a persoanelor juridice și a întreprinzătorilor individuali și confirmă datele din Registrul de stat la data de: **15.09.2023.**

**Registrator în domeniul
înregistrării de stat**

Digitally signed by Rusu Diana
Date: 2023.09.15 16:44:17 EEST
Reason: MoldSign Signature
Location: Moldova



Rusu Diana



EB 0461494

Lista fondatorilor Biosistem-mld SRL

Nr.	Nume, Prenume	IDNP
1.	Vitalie Poiata	0983103892591
2.	Alexandr Nasedchin	2002001070747
3.	Dmitrii Kojevnikov	0972305012362

SITUAȚIILE FINANCIARE

pentru perioada 01.01.2023 - 31.12.2023

Entitatea: BIOSISTEM MLD S.R.L.

Cod CUIÎO: 40717392

Cod IDNO: 1010600028048

Sediul:

MD:

Raionul(municipiul): 106, DDF RASCANI

Cod CUATM: 0150, SEC.RISCANI

Strada: Albisoara nr.16 bl.1 of.7

Activitatea principală: G4646, Comert cu ridicata al produselor farmaceutice

Forma de proprietate: 16, Proprietate colectivă

Forma organizatorico-juridică: 530, Societăți cu răspundere limitată

Date de contact:

Telefon: +37322808719

WEB:

E-mail: zmii13@mail.ru

Numele și coordonatele al contabilului-șef: DI (dna) Tel.

Numărul mediu al salariaților în perioada de gestiune: 10 persoane.

Persoanele responsabile de semnarea situațiilor financiare* Nasedchin Alexandr

Unitatea de măsură: leu

BILANȚUL

Anexa 1

Nr. cpt.	Indicatori	Cod rd.	Sold la	
			Începutul perioadei de gestiune	Sfârșitul perioadei de gestiune
1	2	3	4	5
	A C T I V			
A.	ACTIVE IMOBILIZATE			
	I. Imobilizări necorporale			
	1. Imobilizări necorporale în curs de execuție	010		
	2. Imobilizări necorporale în exploatare, total	020		
	din care:			
	2.1. concesiuni, licențe și mărci	021		
	2.2. drepturi de autor și titluri de protecție	022		
	2.3. programe informatice	023		

2.4. alte imobilizări necorporale	024		
3. Fond comercial	030		
4. Avansuri acordate pentru imobilizări necorporale	040		
Total imobilizări necorporale (rd.010 + rd.020 + rd.030 + rd.040)	050		
II. Imobilizări corporale			
1. Imobilizări corporale în curs de execuție	060		
2. Terenuri	070		
3. Mijloace fixe, total	080	3384131	4438372
din care:	081		
3.1. clădiri			
3.2. construcții speciale	082		
3.3. mașini, utilaje și instalații tehnice	083	3363063	4423127
3.4. mijloace de transport	084		
3.5. inventar și mobilier	085	21068	15245
3.6. alte mijloace fixe	086		
4. Resurse minerale	090		
5. Active biologice imobilizate	100		
6. Investiții imobiliare	110		
7. Avansuri acordate pentru imobilizări corporale	120	5250844	2337159
Total imobilizări corporale (rd.060 + rd.070 + rd.080 + rd.090 + rd.100 + rd.110 + rd.120)	130	8634975	6775531
III. Investiții financiare pe termen lung			
1. Investiții financiare pe termen lung în părți neafiliate	140		
2. Investiții financiare pe termen lung în părți afiliate, total	150		
din care:	151		
2.1. acțiuni și cote de participație deținute în părțile afiliate			
2.2 împrumuturi acordate părților afiliate	152		
2.3 împrumuturi acordate aferente intereselor de participare	153		
2.4 alte investiții financiare	154		
Total investiții financiare pe termen lung (rd.140 + rd.150)	160		
IV. Creanțe pe termen lung și alte active imobilizate			
1. Creanțe comerciale pe termen lung	170		
2. Creanțe ale părților afiliate pe termen lung	180		
inclusiv: creanțe aferente intereselor de participare	181		
3. Alte creanțe pe termen lung	190		

	4. Cheltuieli anticipate pe termen lung	200		
	5. Alte active imobilizate	210		
	Total creanțe pe termen lung și alte active imobilizate (rd.170 + rd.180 + rd.190 + rd.200 + rd.210)	220		
	TOTAL ACTIVE IMOBILIZATE (rd.050 + rd.130 + rd.160 + rd.220)	230	8634975	6775531
B.	ACTIVE CIRCULANTE			
	I. Stocuri			
	1. Materiale și obiecte de mică valoare și scurtă durată	240	13899	24776
	2. Active biologice circulante	250		
	3. Producția în curs de execuție	260		
	4. Produse și mărfuri	270	11123640	11490033
	5. Avansuri acordate pentru stocuri	280		
	Total stocuri (rd.240 + rd.250 + rd.260 + rd.270 + rd.280)	290	11137539	11514809
	II. Creanțe curente și alte active circulante			
	1. Creanțe comerciale curente	300	4552459	2646694
	2. Creanțe ale părților afiliate curente	310		
	inclusiv: creanțe aferente intereselor de participare	311		
	3. Creanțe ale bugetului	320	27696	45618
	4. Creanțele ale personalului	330		
	5. Alte creanțe curente	340		
	6. Cheltuieli anticipate curente	350		
	7. Alte active circulante	360	2268111	2251145
	Total creanțe curente și alte active circulante (rd.300 + rd.310 + rd.320 + rd.330 + rd.340 + rd.350 + rd.360)	370	6848266	4943457
	III. Investiții financiare curente			
	1. Investiții financiare curente în părți neafiliate	380		
	2. Investiții financiare curente în părți afiliate, total	390		
	din care:			
	2.1. acțiuni și cote de participație deținute în părțile afiliate	391		
	2.2. împrumuturi acordate părților afiliate	392		
	2.3. împrumuturi acordate aferente intereselor de participare	393		
	2.4. alte investiții financiare în părți afiliate	394		
	Total investiții financiare curente (rd.380 + rd.390)	400		
	IV. Numerar și documente bănești	410	10281443	27361722
	TOTAL ACTIVE CIRCULANTE (rd.290 + rd.370 + rd.400 + rd.410)	420	28267248	43819988

	TOTAL ACTIVE (rd.230 + rd.420)	430	36902223	50595519
	P A S I V			
	CAPITAL PROPRIU			
	I. Capital social și neînregistrat			
	1. Capital social	440	5400	5400
	2. Capital nevărsat	450	()	()
	3. Capital neînregistrat	460		
	4. Capital retras	470	()	()
	5. Patrimoniul primit de la stat cu drept de proprietate	480		
	Total capital social și neînregistrat (rd.440 + rd.450 + rd.460 + rd.470 + rd.480)	490	5400	5400
	II. Prime de capital	500		
	III. Rezerve			
	1. Capital de rezervă	510		
	2. Rezerve statutare	520		
	3. Alte rezerve	530		
	Total rezerve (rd.510 + rd.520 + rd.530)	540		
	IV. Profit (pierdere)			
	1. Corecții ale rezultatelor anilor precedenți	550	X	
	2. Profit nerepartizat (pierdere neacoperită) al anilor precedenți	560	35876971	29813141
	3. Profit net (pierdere netă) al perioadei de gestiune	570	X	18618853
	4. Profit utilizat al perioadei de gestiune	580	X	()
	Total profit (pierdere) (rd.550 + rd.560 + rd.570 + rd.580)	590	35876971	48431994
	V. Rezerve din reevaluare	600		
	VI. Alte elemente de capital propriu	610		
	TOTAL CAPITAL PROPRIU (rd.490 + rd.500 + rd.540 + rd.590 + rd.600 + rd.610)	620	35882371	48437394
C.				
	DATORII PE TERMEN LUNG			
	1. Credite bancare pe termen lung	630		
	2. Împrumuturi pe termen lung	640		
	din care:			
	2.1. împrumuturi din emisiunea de obligațiuni	641		
	inclusiv: împrumuturi din emisiunea de obligațiuni convertibile	642		
	2.2. alte împrumuturi pe termen lung	643		
	3. Datorii comerciale pe termen lung	650		
D.				

	4. Datorii față de părțile afiliate pe termen lung	660		
	inclusiv: datorii aferente intereselor de participare	661		
	5. Avansuri primite pe termen lung	670		
	6. Venituri anticipate pe termen lung	680		
	7. Alte datorii pe termen lung	690		
	TOTAL DATORII PE TERMEN LUNG (rd.630 + rd.640 + rd.650 + rd.660 + rd.670 + rd.680 + rd.690)	700		
E.	DATORII CURENTE			
	1. Credite bancare pe termen scurt	710		
	2. Împrumuturi pe termen scurt, total	720		
	din care:	721		
	2.1. împrumuturi din emisiunea de obligațiuni			
	inclusiv: împrumuturi din emisiunea de obligațiuni convertibile	722		
	2.2. alte împrumuturi pe termen scurt	723		
	3. Datorii comerciale curente	730	5266	59765
	4. Datorii față de părțile afiliate curente	740		
	inclusiv: datorii aferente intereselor de participare	741		
	5. Avansuri primite curente	750	143160	273711
	6. Datorii față de personal	760	866	
	7. Datorii privind asigurările sociale și medicale	770		
	8. Datorii față de buget	780	831429	1766706
	9. Datorii față de proprietari	790		
	10. Venituri anticipate curente	800		
	11. Alte datorii curente	810	39131	57943
	TOTAL DATORII CURENTE (rd.710 + rd.720 + rd.730 + rd.740 + rd.750 + rd.760 + rd.770 + rd.780 + rd.790 + rd.800 + rd.810)	820	1019852	2158125
F.	PROVIZIOANE			
	1. Provizioane pentru beneficiile angajaților	830		
	2. Provizioane pentru garanții acordate cumpărătorilor/clientilor	840		
	3. Provizioane pentru impozite	850		
	4. Alte provizioane	860		
	TOTAL PROVIZIOANE (rd.830 + rd.840 + rd.850 + rd.860)	870		
	TOTAL PASIVE (rd.620 + rd.700 + rd.820 + rd.870)	880	36902223	50595519

SITUAȚIA DE PROFIT ȘI PIERDERE

de la 01.01.2023 până la 31.12.2023

Anexa 2

Indicatori	Cod rd.	Perioada de gestiune
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		precedenta	curenta
1	2	3	4
Venituri din vânzări, total	010	40621876	58891757
din care:	011	39203671	57105542
venituri din vânzarea produselor și mărfurilor			
venituri din prestarea serviciilor și executarea lucrărilor	012	1390733	1771148
venituri din contracte de construcție	013		
venituri din contracte de leasing	014		
venituri din contracte de microfinanțare	015		
alte venituri din vânzări	016	27472	15067
Costul vânzărilor, total	020	22086174	32917436
din care:			
valoarea contabilă a produselor și mărfurilor vândute	021	21991682	32793096
costul serviciilor prestate și lucrărilor executate terților	022	92356	124340
costuri aferente contractelor de construcție	023		
costuri aferente contractelor de leasing	024		
costuri aferente contractelor de microfinanțare	025		
alte costuri aferente vânzărilor	026	2136	
Profit brut (pierdere brută) (rd.010 - rd.020)	030	18535702	25974321
Alte venituri din activitatea operațională	040	128694	829270
Cheltuieli de distribuire	050	15271	4167
Cheltuieli administrative	060	3076978	3996115
Alte cheltuieli din activitatea operațională	070	1325483	879808
Rezultatul din activitatea operațională: profit (pierdere) (rd.030 + rd.040 - rd.050 - rd.060 - rd.070)	080	14246664	21923501
Venituri financiare, total	090	1530710	1070406
din care:	091		
venituri din interese de participare			
inclusiv: veniturile obținute de la părțile afiliate	092		
venituri din dobânzi	093	250190	337916
inclusiv: veniturile obținute de la părțile afiliate	094		
venituri din alte investiții financiare pe termen lung	095		
inclusiv: veniturile obținute de la părțile afiliate	096		
venituri aferente ajustărilor de valoare privind investițiile financiare pe termen lung și curente	097		
venituri din ieșirea investițiilor financiare	098		
venituri aferente diferențelor de curs valutar și de sumă	099	1280520	732490

Cheltuieli financiare, total	100	512939	1786338
din care:	101		
cheltuieli privind dobânzile			
inclusiv: cheltuielile aferente părților afiliate	102		
cheltuieli aferente ajustărilor de valoare privind investițiile financiare pe termen lung și curente	103		
cheltuieli aferente ieșirii investițiilor financiare	104		
cheltuieli aferente diferențelor de curs valutar și de sumă	105	512939	1786338
Rezultatul: profit (pierdere) financiar(ă) (rd.090 - rd.100)	110	1017771	-715932
Venituri cu active imobilizate și excepționale	120		
Cheltuieli cu active imobilizate și excepționale	130		
Rezultatul din operațiuni cu active imobilizate și excepționale: profit (pierdere) (rd.120 - rd.130)	140		
Rezultatul din alte activități: profit (pierdere) (rd.110 + rd.140)	150	1017771	-715932
Profit (pierdere) pînă la impozitare (rd.080 + rd.150)	160	15264435	21207569
Cheltuieli privind impozitul pe venit	170	1872862	2588716
Profit net (pierdere netă) al perioadei de gestiune (rd.160 - rd.170)	180	13391573	18618853

SITUAȚIA MODIFICĂRILOR CAPITALULUI PROPRIU

de la pînă la

Anexa 3

Nr. d/o	Indicatori	Cod rd	Sold la începutul perioadei de gestiune	Majorări	Diminuări	Sold la sfîrșitul perioadei de gestiune
1	2	3	4	5	6	7
I.	Capital social și neînregistrat					
	1. Capital social	010				
	2. Capital nevărsat	020	()	()	()	()
	3. Capital neînregistrat	030				
	4. Capital retras	040	()	()	()	()
	5. Patrimoniul primit de la stat cu drept de proprietate	050				
	Total capital social și neînregistrat (rd.010 + rd.020 + rd.030 + rd.040 + rd.050)	060				
II.	Prime de capital	070				
III.	Rezerve					
	1. Capital de rezervă	080				
	2. Rezerve statutare	090				

	3. Alte rezerve	100				
	Total rezerve (rd.080 + rd.090 + rd.100)	110				
IV.	Profit (pierdere)					
	1. Corecții ale rezultatelor anilor precedenți	120	X			
	2. Profit nerepartizat (pierdere neacoperită) al anilor precedenți	130				
	3. Profit net (pierdere netă) al perioadei de gestiune	140	X			
	4. Profit utilizat al perioadei de gestiune	150	X	()	()	()
	Total profit (pierdere) (rd.120 + rd.130 + rd.140 + rd.150)	160				
V.	Rezerve din reevaluare	170				
VI.	Alte elemente de capital propriu	180				
	Total capital propriu (rd.060 + rd.070 + rd.110 + rd.160 + rd.170 + rd.180)	190				

SITUAȚIA FLUXURILOR DE NUMERAR
de la până la

Anexa 4

Indicatori	Cod rd	Perioada de gestiune	
		precedentă	curentă
1	2	3	4
Fluxuri de numerar din activitatea operațională			
Încasări din vânzări	010		
Plăți pentru stocuri și servicii procurate	020		
Plăți către angajați și organe de asigurare socială și medicală	030		
Dobânzi plătite	040		
Plata impozitului pe venit	050		
Alte încasări	060		
Alte plăți	070		
Fluxul net de numerar din activitatea operațională (rd.010 - rd.020 - rd.030 - rd.040 - rd.050 + rd.060 - rd.070)	080		
Fluxuri de numerar din activitatea de investiții			
Încasări din vânzarea activelor imobilizate	090		
Plăți aferente intrărilor de active imobilizate	100		
Dobânzi încasate	110		
Dividende încasate	120		
inclusiv: dividende încasate din străinătate	121		

Alte încasări (plăți)	130		
Fluxul net de numerar din activitatea de investiții (rd.090 - rd.100 + rd.110 + rd.120 ± rd.130)	140		
Fluxuri de numerar din activitatea financiară			
Încasări sub formă de credite și împrumuturi	150		
Plăți aferente rambursării creditelor și împrumuturilor	160		
Dividende plătite	170		
inclusiv: dividende plătite nerezidenților	171		
Încasări din operațiuni de capital	180		
Alte încasări (plăți)	190		
Fluxul net de numerar din activitatea financiară (rd.150 - rd.160 - rd.170 + rd.180 ± rd.190)	200		
Fluxul net de numerar total (± rd.080 ± rd.140 ± rd.200)	210		
Diferențe de curs valutar favorabile (nefavorabile)	220		
Sold de numerar la începutul perioadei de gestiune	230		
Sold de numerar la sfârșitul perioadei de gestiune (± rd.210 ± rd.220 + rd.230)	240		

Documente atașate - Notă explicativă (fișierul pdf)

Recipisa

Respondent

Codul fiscal: 1010600028048, denumire: BIOSISTEM MLD S.R.L.

A prezentat raportul: RSF1_21

Pentru perioada fiscala: A/2023

Data prezentarii: 26.03.2024

Marca temporală a raportului înregistrat în Sistemul de Raportare Electronică și expediat pentru procesare în Sistemul Informațional al BNS : 26.03.2024 17:05:42

Recipisa 2

Respondent

Codul fiscal: 1010600028048, denumire: BIOSISTEM MLD S.R.L.

A prezentat raportul: RSF1_21

Pentru perioada fiscala: A/2023

Data prezentarii: 26.03.2024

Marca temporală a raportului înregistrat în Sistemul Informațional al BNS : 09.04.2024 09:26:11

Biroul Național de Statistică (BNS) a recepționat varianta electronică a raportului, expediat de DVs.
Urmează verificarea și validarea raportului de către specialistul BNS pe domeniu.



AGENȚIA DE MEDIU

ENVIRONMENTAL AGENCY

MD-2005 mun.Chișinău, str. Albișoara, 38
Tel. (022) 820-770, Email: am@am.gov.md

CONFIRMARE

privind înregistrarea în „Lista producătorilor” de produse
supuse reglementărilor de responsabilitate extinsă a producătorului
(echipamente electrice și electronice)

În scopul plasării pe piață a produselor de echipamente electrice și electronice, în conformitate cu prevederile art. 12 alin. (5) și alin. (14) lit. b) din Legea nr. 209 din 29.07.2016 privind deșeurile, și punctele 46 – 50 din Regulamentul privind deșeurile de echipamente electrice și electronice, aprobat prin Hotărîrea Guvernului nr. 212 din 07.03.2018, se emite numărul de înregistrare

MD2021-10-EEE-005

pentru BIOSISTEM MLD, IDNO: 1010600028048, cu adresa juridică: mun. Chișinău, str. Albișoara 16/1, ap. 1.

Numărul de înregistrare este valabil începînd cu data de 02.11.2021 pînă la data de 02.11.2024.

Director adjunct interimar
Gavril GÎLCA

Fluke 820 Stroboscope

Technical Data

Rugged, compact and easy-to-use

Investigate and observe potential mechanism failure with confidence on a variety of machinery, in a wide range of industries, without making physical contact with the machine. The Fluke 820 Stroboscope is a rugged, compact, portable strobe ideal for stop motion diagnostics, mechanical troubleshooting, and process or product research and development.

The Fluke 820 Stroboscope is a simple, easy to use tool to stop motion for measurement and diagnostic purposes allowing you to:

- Identify the running speed of rotating equipment without stopping the operation or making contact with machinery
- Stop motion for diagnoses of parasitic oscillations, flaws, slippage or unwanted distortions
- Measure speed of rotation or frequency of a rotating shaft, speaker, or mechanical part
- Identify part numbers or other markings

Key features:

- High-intensity 7 LED array—4,800 Lux @ 6,000 FPM/30 cm
- 30 to 300,000 FPM (Flashes Per Minute) = RPM or CPM
- Rugged, durable design—1 meter drop
- High accuracy, 0.02 % (± 1 digit)
- LCD display, multiple lines
- Check the rotating speed of machinery without physical contact or need for reflective tape
- High efficiency LED solid-state light source—never needs replacement like traditional xenon lamps.
- Pulse width modulation for sharp images at high speed
- Advance or retard flash timing for viewing gear teeth, cutting surfaces, repeats or “drifting” images
- Push button operation with x2 and $\div 2$ buttons for easy adjustment.
- Ease of use and ergonomic design help make measurement easy
- Rugged construction for reliable performance

Adjustable flash duration

For most applications the standard flash duration will work well without adjustment. In other applications with higher rpm or larger rotating objects with high surface speeds, an adjustable flash duration is needed. In high speed applications, objects may move during the brief period of a single flash, resulting in a blurred image. By decreasing flash duration, objects have less time to move and the image will appear sharper.

Common Applications for the 820

The Fluke 820 Stroboscope is more than just a tool to measure rotational speed of machinery without physical contact. It is also an excellent diagnostic tool for a wide variety of applications:

- Belt driven machines—HVAC fans, pumps
- Roller bearings, shafts, gear teeth or other machine components
- Clutches and cogwheels
- Foundations—resonance vibrations
- Cable or piping wear or damage
- Mixing and dosage processes

In addition, the stroboscope can be used as a strobe tachometer to measure speed instead of using a laser tachometer. In order to use the stroboscope, the component under measure must be visible, and have an identifying mark that can be used as a point of reference. A strobe tachometer is a useful tool because you can't always get access to the machine shaft to stick a piece of reflective tape to use a laser tachometer or make contact with the moving shaft to use a contact tachometer—using a stroboscope you can “stop” the shaft down to 300 RPM (FPM).



Use the 820 for:

- Turbines that vary in speed and change speed frequently
- Variable Frequency Drive motors that vary in speed, but do not change frequently
- Find belt rotation speed and look for belt slippage
- Find machine element components – fan blades, pump vanes, compressor screws, and gear teeth.
- RPM measurement and frequency investigation
- Slip measurement



Use the Fluke 820 Stroboscope in a variety of industries:

Electronics/electrical engineering

- Observe the anchor swing from synchronic and asynchronous motors, carbon brush of the collectors and sliding rings. Find mistakes on speakers, record players, magnetic tape recorder, relay, contact rectifiers, power switch, phone selector, home appliances, kitchen equipment, ventilators, turbines, vibrators, counters, speakerphones, sorting-machines, centrifuges, electrical tools and equipment.
- Find errors caused by work process on manufacturing machines—wrappers, cabling machines, isolated machines, wireless printing machines, cutting machines and drill machines.
- Control the synchronization of motors and machines as well as their leakage and tarnish behavior. Check the behavior of motors, machines, and drives for power drain. Identify material stress as well as fatigue by wave motion reverberations at higher machine efficiency.

Machine construction

- Investigate meshing of gears, control of drives, ball bearings, couplings, lever movement, linkages, cylinders, valve clip tongue and valve clip leverage, resonance vibrations, and early detection of fatigue of the material from high load.
- Control the work process on high-speed machines. Check the compliance of rotational parts of motors, machine and manufacturing equipment, and the behavior of couplings, belts and chain-drives at high speeds.
- Observe the work processes of centrifuges, pressure/cut machines, automatic punching, riveting machines, screwing machines, grinding machines, polishing machines and boring machines. Observe the automatic moving processes and play of machines and mechanical equipment that is outside what can be seen by the human eye.

Automotive and motor manufacturing

- Adjust the ignition and the valves. Check the valve lever movement, valve spring vibration, and injection operations in combustion engines. Control of the various work processes in manufacturing of automatic and machines all of kinds.
- Observe the vibration of motors, hangers, transmission shafts, springs, wind generators, and light machines.

Optics manufacturing

- Test camera closures. Control transport of film cameras and projectors. Observe the drive elements, cooling fan, and the return flow of movie projectors. Investigate the work process on lens-grinding machines.
- Perform movement studies seen in the fast movement of objects through film recordings.

Print, paper, and cardboard manufacturing

- Observe the passer marks and control the printing process. Watch multicolor printers in order to assess the print quality relative to the rate.
- Check on package machines, folding box automation, cutting automation and adhesive automation. Control the work process of the punching, printing, and sorting automation. Control the rotary knives, waltz, transport rollers, gears, stores, waves, etc.

Mining

- Observe shiver and swinging filters, transport bands, and centrifuges. Control the generators, drive machines, rock drills and other mechanical equipment.

Shipbuilding, aircraft construction

- Determine the appearance of cavitation bubbles on propellers at experimental models. Control the movement in marine engines, generators, E-machines, and air systems.
- Observe the behavior of propellers and air screws at different rpm (drew behavior and fluid behavior).

Chemical manufacturing

- Control the mixing and dosing processes. Observe mixers, pumps, regulation systems, transport bands, package machines, dosing and sorting machines, tablet machines, bottle filling machines, closure machines, etc.
- Observe the product in dry centrifuges and air pressure machines, conveying systems, swing filters and crushing plants, etc.

Medical

- Observe the drilling process in medical institutions.
- Set the responsive assets on light pulses of different frequencies (e.g. an epileptic)
- Use in laboratories, research institutions, schools, universities, and technical training facilities
- Observe the work processes for demonstration and experimental purposes. Use as visual evidence for theoretical opinions where visualization of optics are not detectable.

Technical specifications

Mechanical specifications	
Size (HxWxL)	5.71 cm x 6.09 cm x 19.05 cm 2.25 in x 2.4 in x 7.5 in
Weight	0.24 kg (0.53 lb)
Environmental specifications	
Operating temperature	0 °C to +45 °C
Storage temperature	-10 °C to +50 °C
Operating humidity (without ondensation)	Non-condensing (<10 °C)
	90 % RH (10 °C to 30 °C)
	75 % RH (30 °C to 40 °C)
	45 % RH (40 °C to 50 °C)
Absorption/corrosion	30 °C, 95 % RH, 5 day
	Product functions normally
Operating altitude	2,000 m
Storage altitude	12,000 m
Vibration	MIL-PRF-28800F Class 2
Impact resistance	1 m drop
EMI, RFI, EMC	EN61326-1:2006
Safety compliance	
Agency approvals	CE
	Class III (SELV) Pollution Degree 2
Miscellaneous specifications	
Flash frequency	
Range	30 to 300,000 FPM
	0.5 to 5000 Hz
Accuracy	0.02 %
Resolution	30 to 999 FPM = 0.1
	1000 to 300,000 = 1
	0.5 Hz to 999 Hz = 0.1
	1000 Hz to 5000 Hz = 1
Frequency setting	FPM or Hz
Flash pulse	
Duration	Adjustable in μ s or degrees
Delay	Adjustable in μ s or degrees
Light	
Color	Approx 6500 K
Emission output	4,800 lx @ 6000 FPM at 30 cm
External trigger	
Method	Connector to externally control trigger
High level	3 V to 32 V
Low level	<1 V
Minimum pulse width	50 μ s connection

Ordering information

Fluke-820 Stroboscope

Includes

820 Stroboscope, Protective case,
external trigger connector



Fluke. *Keeping your world
up and running.®*

Fluke Corporation

PO Box 9090, Everett, WA 98206 U.S.A.

Fluke Europe B.V.

PO Box 1186, 5602 BD
Eindhoven, The Netherlands

For more information call:

In the U.S.A. (800) 443-5853 or
Fax (425) 446-5116
In Europe/M-East/Africa +31 (0)40 267 5100 or
Fax +31 (0)40 267 5222
In Canada (800)-36-FLUKE or
Fax (905) 890-6866
From other countries +1 (425) 446-5500 or
Fax +1 (425) 446-5116
Web access: <http://www.fluke.com>

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Instrument Security Procedures

Model: Fluke-820 / Fluke-820-2

Product Name: Stroboscope

Instrument Description: Instrument with high power flashing LED's used for rotating machinery troubleshooting. Has adjustable pulse width and delay for precise timing and intensity. Can be synchronized with machinery using trigger input.

Memory Description: Microprocessor with 32 KB Flash and 2 KB RAM

Memory Cleaning Instructions: There is no user accessible memory

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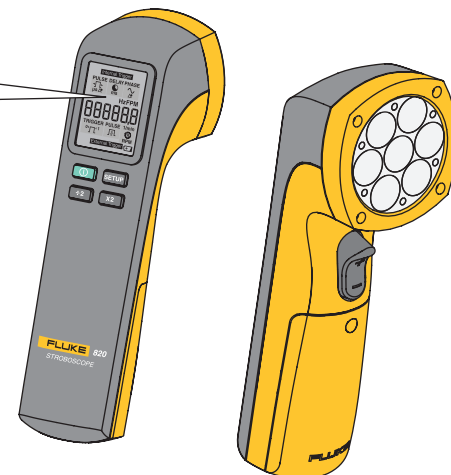
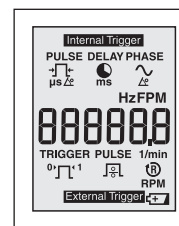
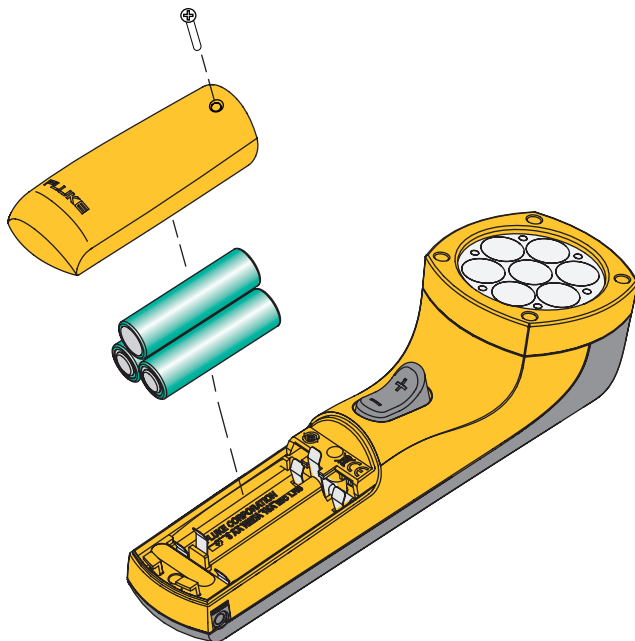
820-2 Stroboscope

Quick Reference Guide

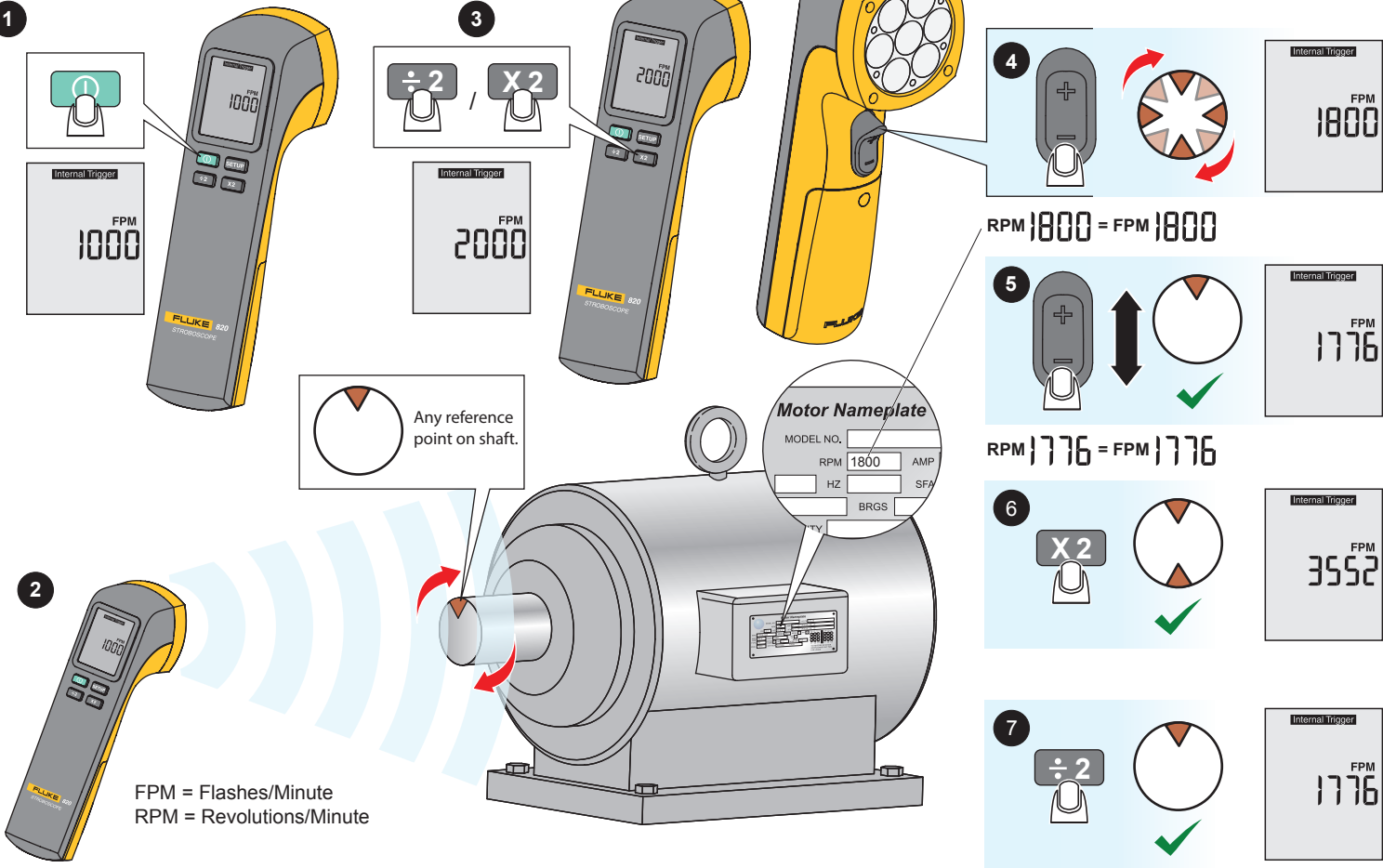
⚠ Warning

To prevent possible injury read the “820 Safety Sheet” before you use this Product.

Go to www.fluke.com to register your product, download manuals, and find more information.



Basic Operation



820-2

Stroboscope

Safety Information

Go to www.fluke.com to register your product and find more information.

A **Warning** identifies conditions and procedures that are dangerous to the user.

Warning

To prevent possible personal injury:

- Read all safety information before you use the Product.
- Carefully read all instructions.
- Use the Product only as specified, or the protection supplied by the Product can be compromised.
- Do not touch the moving target object when you use the Product. In stroboscopic light, object movement can appear still or slowed.
- Do not use the Product around explosive gas, vapor, or in damp or wet environments.
- Do not use the Product around personnel that are susceptible to epileptic seizures.
- Do not use the Product if it is damaged.

Symbols

Symbol	Description
	Important information. See manual.
	Battery
	Conforms to relevant Australian standards.
	Conforms to requirements of European Union and European Free Trade Association.
	Conforms to relevant South Korean EMC standards.
	This product complies with the WEEE Directive (2002/96/EC) marking requirements. The affixed label indicates that you must not discard this electrical/electronic product in domestic household waste. Product Category: With reference to the equipment types in the WEEE Directive Annex I, this product is classed as category 9 "Monitoring and Control Instrumentation" product. Do not dispose of this product as unsorted municipal waste. Go to Fluke's website for recycling information.

Safety Specifications

Battery Type..... 3 x AA Alkaline LR6

Operating Temperature..... 0 °C to +45 °C

Storage Temperature -10 °C to +50 °C

Operating Altitude 2000 m

LIMITED WARRANTY AND LIMITATION OF LIABILITY

This Fluke product will be free from defects in material and workmanship for two years from the date of purchase. This warranty does not cover fuses, disposable batteries, or damage from accident, neglect, misuse, alteration, contamination, or abnormal conditions of operation or handling. Resellers are not authorized to extend any other warranty on Fluke's behalf. To obtain service during the warranty period, contact your nearest Fluke authorized service center to obtain return authorization information, then send the product to that Service Center with a description of the problem.

THIS WARRANTY IS YOUR ONLY REMEDY. NO OTHER WARRANTIES, SUCH AS FITNESS FOR A PARTICULAR PURPOSE, ARE EXPRESSED OR IMPLIED. FLUKE IS NOT LIABLE FOR ANY SPECIAL, INDIRECT, INCIDENTAL OR CONSEQUENTIAL DAMAGES OR LOSSES, ARISING FROM ANY CAUSE OR THEORY. Since some states or countries do not allow the exclusion or limitation of an implied warranty or of incidental or consequential damages, this limitation of liability may not apply to you.

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FLUKE®

820-2

Stroboscope

Users Manual

September 2014

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LIMITED WARRANTY AND LIMITATION OF LIABILITY

This Fluke product will be free from defects in material and workmanship for two years from the date of purchase. This warranty does not cover fuses, disposable batteries, or damage from accident, neglect, misuse, alteration, contamination, or abnormal conditions of operation or handling. Resellers are not authorized to extend any other warranty on Fluke's behalf. To obtain service during the warranty period, contact your nearest Fluke authorized service center to obtain return authorization information, then send the product to that Service Center with a description of the problem.

THIS WARRANTY IS YOUR ONLY REMEDY. NO OTHER WARRANTIES, SUCH AS FITNESS FOR A PARTICULAR PURPOSE, ARE EXPRESSED OR IMPLIED. FLUKE IS NOT LIABLE FOR ANY SPECIAL, INDIRECT, INCIDENTAL OR CONSEQUENTIAL DAMAGES OR LOSSES, ARISING FROM ANY CAUSE OR THEORY. Since some states or countries do not allow the exclusion or limitation of an implied warranty or of incidental or consequential damages, this limitation of liability may not apply to you.

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The Netherlands

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Introduction

The 820-2 Stroboscope (the Product) uses an adjustable LED strobe light to show the movement of mechanical parts. The frequency range is 30 flashes per minute (FPM) to 300,000 FPM.

How to Contact Fluke

To contact Fluke, call one of the following telephone numbers:

- Technical Support USA: 1-800-44-FLUKE (1-800-443-5853)
- Calibration/Repair USA: 1-888-99-FLUKE (1-888-993-5853)
- Canada: 1-800-36-FLUKE (1-800-363-5853)
- Europe: +31 402-675-200
- Japan: +81-3-6714-3114
- Singapore: +65-6799-5566
- Anywhere in the world: +1-425-446-5500

Go to www.fluke.com to register your product, download manuals, and find more information.

To view, print, or download the latest manual supplement, visit <http://us.fluke.com/usen/support/manuals>.

Safety

A **Warning** identifies conditions and procedures that are dangerous to the user.

Warning

To prevent possible personal injury:

- Read all safety information before you use the Product.
- Carefully read all instructions.
- Use the Product only as specified, or the protection supplied by the Product can be compromised.
- Do not touch the moving target object when you use the Product. In stroboscopic light, object movement can appear still or slowed.
- Do not use the Product around explosive gas, vapor, or in damp or wet environments.
- Do not use the Product around personnel that are susceptible to epileptic seizures.
- Do not use the Product if it is damaged.

Symbols

Symbols used in the manual or on the Product are shown in Table 1.

Table 1. Symbols

Symbol	Definition
	Risk of danger. Important information. See manual.
	Battery
	Conforms to relevant Australian EMC standards.
	Conforms to European Union directives.
	Conforms to relevant South Korean EMC Standards.
	This product complies with the WEEE Directive (2002/96/EC) marking requirements. The affixed label indicates that you must not discard this electrical/electronic product in domestic household waste. Product Category: With reference to the equipment types in the WEEE Directive Annex I, this product is classed as category 9 "Monitoring and Control Instrumentation" product. Do not dispose of this product as unsorted municipal waste. Go to Fluke's website for recycling information.

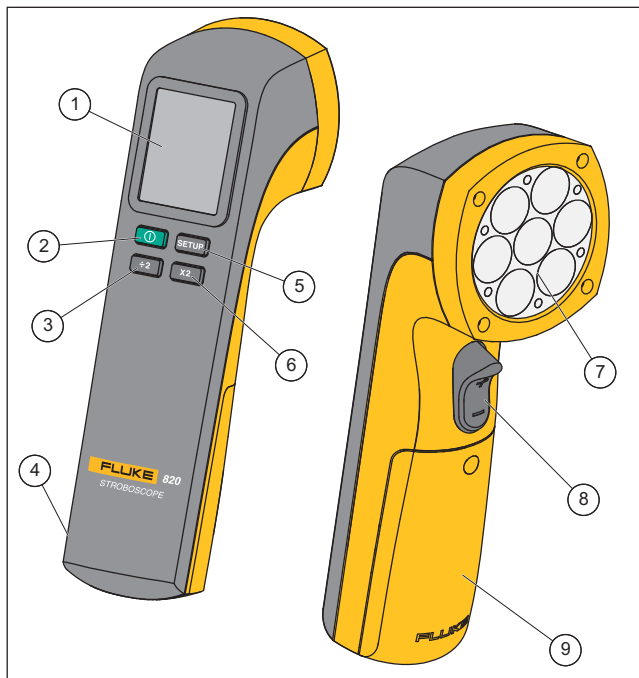
Standard Equipment

If an item below is missing or damaged, contact Fluke. The Product comes with:

- Quick Reference Guide
- Safety Information
- International Registration Card
- Statement of Quality
- Hard Case
- AA Batteries (3)
- External Trigger Input Connector

Features

Figure 1, Table 2, and Table 3 show the Product.



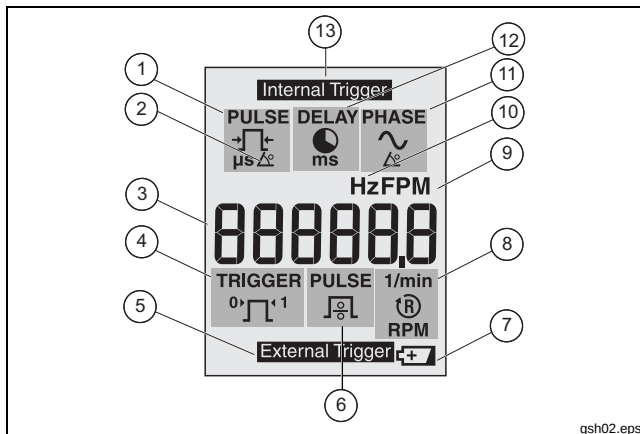
gsh01.eps

Figure 1. The Product

Table 2. The Product

Item	Description
①	Display
②	Power Button- Push  to turn on the Product. Push and hold  for 2 seconds to turn off the Product.
③	Push  to divide the current set value by two. The scroll speed increases when  is continuously held down.
④	External trigger connection
⑤	Setup- Push  to move between different settings and modes.
⑥	Push  to double the current set value. Speed of the scroll increases when this button is held down.
⑦	LED strobe
⑧	Push the trigger () up to increase the current set value. Push  down to decrease the current set value. Speed increases when  is held down.
⑨	Battery compartment

Table 3. Display



gsh02.eps

Item	Description
①	Adjustable pulse width in microseconds (μs). Adjustment is accessed in the Setup Menu.
②	Adjustable pulse width in degrees. Adjustment is accessed in the Setup Menu.
③	Primary display. Six digits with decimal.
④	Set external trigger edge to 0 for positive and 1 for negative. Adjustment is accessed in the Setup Menu.
⑤	External trigger input is connected.
⑥	Set the external trigger pulse divider from 1 to 255. Adjustment is accessed in the Setup Menu.

Table 3. Display (cont.)

Item	Description	Item	Description
⑦	Low battery. Replace the battery.	⑧	1/min or RPM for external trigger input.
⑨	Flashes per minute (FPM), default at power up.	⑩	Flashes per second. Adjustment is accessed in the Setup Menu.
⑪	Pulse delay in degrees (Phase degree). Adjustment is accessed in the Setup Menu.	⑫	Pulse delay in milliseconds (ms). Adjustment is accessed in the Setup Menu.
⑬	Internal trigger		

Auto Off

To conserve battery power, the Product turns off after 15 minutes of non-use.

Low-Battery Indicator

The low-battery indicator is shown when the battery is low. When the low-battery indicator shows () , change the batteries.

Product Use

The subsequent sections tell you how to use the Product.

Push  to turn on the Product. Push and hold  for 2 seconds to turn off the Product.

Default Settings

To set the Product to the default settings, push and hold  and .

The default settings are:

- 1000 FPM
- 16.7 Hz
- 333 Pulse μ s
- 2.0 Pulse deg
- 0 Delay ms
- 0 Phase deg
- External pulse divider = 1
- External trigger edge = 0 (positive)

Setup Menu

When you push **SETUP**, the display shows the Setup menu. From the Setup menu, you can change these parameters:

- **Hz** setting – Adjust the flashes per seconds in Hz.
- Pulse width in μs (μs) – Adjust the flash intensity in microseconds of pulse width.
- Pulse width in degrees ($\mu\text{s}/\text{Hz}$) – Adjust the flash intensity in degrees of flash rate.
- Delay in ms (ms) – Adjust the delay time in milliseconds between internal trigger and flash. Precise adjustments of the observation position can be made with this setting.
- Phase degree (deg) – Adjust the degrees of phase shift between internal trigger and flash. Precise adjustments of the observation position can be made with this setting.
- External trigger pulse divider (F/Hz) – Set the external trigger divider, to adjust the flash rate.
- External trigger edge ($0/1$) – Set the external trigger edge to either positive (0) or negative (1).

Push **$\div 2$** , **$\times 2$** , and **$\frac{1}{f}$** to make adjustments to each parameter. Push **SETUP** to change parameters and to enter and exit the Setup menu.

Range

When the external trigger is >5 kHz, **-OL-** shows on the display.
When the external trigger is <0.5 Hz, **-UL-** shows on the display.

External Trigger

Use the External Trigger Input Connector for outside trigger sources. When the Connector is plugged into the Product (see Figure 1, item ④) the Product displays **External Trigger**. Table 3 shows what options are available when an external trigger is used. For Connector polarity information, see Figure 2.

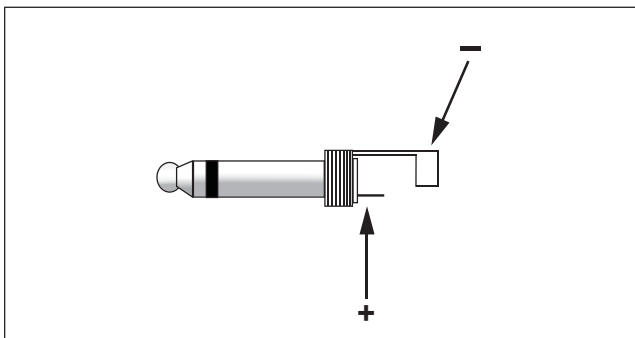


Figure 2. External Trigger Connector Polarity

Maintenance

⚠ Caution

The Product contains no user-serviceable parts. To prevent damage to the Product, do not open the case. For service, see “How to Contact Fluke”.

How to Clean the Product

Regularly clean the case with a damp cloth and mild detergent.

Caution

To prevent damage to the Product, do not use abrasives or solvents to clean the Product case.

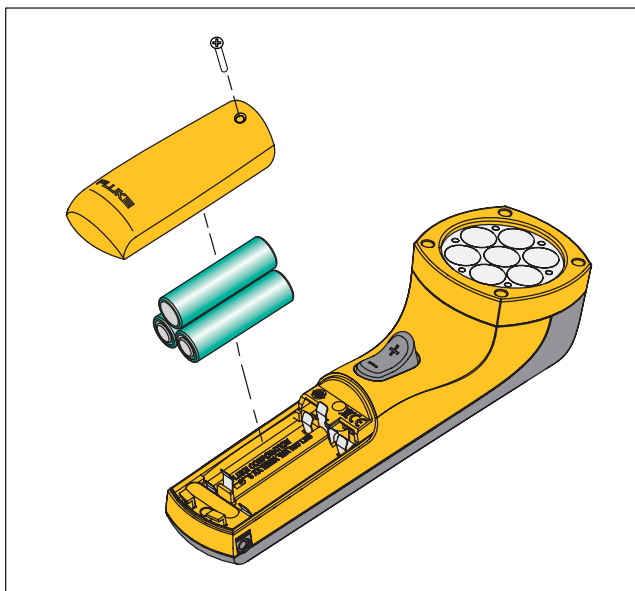
How to Change the Batteries

The Product is energized by three AA (LR6) batteries. When the low battery symbol shows on the display () , replace the batteries. See Figure 3.

Caution

To prevent damage to the Product:

- **Be sure that the battery polarity is correct to prevent battery leakage.**
- **Remove batteries to prevent battery leakage and damage to the Product if it is not used for an extended period.**



gsh03.eps

Figure 3. Battery Replacement

Specifications

Mechanical Specifications

Size (H x W x L)5.71 cm x 6.09 cm x 19.05 cm
(2.25 in x 2.4 in x 7.5 in)

Weight.....0.24 kg (0.53 lb)

Environmental Specifications

Operating Temperature.....0 °C to +45 °C (+32 °F to +113 °F)

Storage Temperature.....-10 °C to +50 °C (+14 °F to +122 °F)

Operating HumidityNon-condensing, < +50 °F (< +10 °C)

90 %RH, +10 °C to +30 °C
(+50 °F to +86 °F)

75 %RH, +30 °C to +40 °C
(+86 °F to +104 °F)

45 %RH, +40 °C to +50 °C
(+104 °F to +122 °F)

(Without Condensation)

Absorption/Corrosion.....+30 °C (+86 °F), 95 %RH, 5 days

Product functions normally

Operating Altitude2,000 m

Storage Altitude12,000 m

Vibration.....MIL-PRF-28800F Class 2

Safety IEC 61010-1:Pollution Degree 2

Electromagnetic

Environment IEC 61326-1:Industrial

Group1 ISM equipment: group 1 contains all ISM equipment in which there is intentionally generated and/or used conductively coupled radio-frequency energy which is necessary for the internal functioning of the equipment itself.

Class A equipment is suitable for use in non-domestic locations and/or directly connected to a low-voltage power supply network. Class A equipment may have potential difficulties in ensuring electromagnetic compatibility in other environments, due to conducted as well as radiated disturbances.

Electromagnetic

Compatibility Applies to use in Korea only.

Class A Equipment (Industrial
Broadcasting & Communication
Equipment) ^[1]

- [1] This product meets requirements for industrial (Class A) electromagnetic wave equipment and the seller or user should take notice of it. This Equipment is intended for use in business environments and is not to be used in homes.

Miscellaneous Specifications

Battery Type.....3 x AA Alkaline LR6

Flash Frequency

Range30 FPM to 300,000 FPM

0.5 Hz to 5000 Hz

Accuracy0.02 %

Resolution30 FPM to 999 FPM = 0.1

1000 FPM to 300,000 FPM = 1

0.5 Hz to 999 Hz = 0.1

1000 Hz to 5000 Hz = 1

Frequency SettingFPM or Hz

Flash Pulse

DurationAdjustable in μ s or degrees

DelayAdjustable in ms or degrees

Light

ColorApprox. 6500 K

Emission Output4800 lx @ 6000 FPM

30 cm (11.9 in) at 3°

External Trigger

MethodConnector to externally control trigger

Frequency Range0.5 Hz to 5000 Hz

High Level3 V to 32 V

Low Level<1 V

Minimum Pulse Width ...50 μ s Connection

PressureDisk



PressureDisk is a temperature and pressure data logger from -40°C to 140°C (calibration from 25°C to 140°C) and from 0 to 5 bar with 20 mm length external probe, managed with Windows software and USB interface (DiskInterface HS, Multibay). **Battery is user replaceable** and the data logger is **provided with an Accredia (NIST equivalent) traceable certificate** on different points.

It is particularly indicated for autoclave and sterilisation processes validation.

The other version of the data logger are:

- PressureDisk 05: pressure data logger from 0 to 5 bar

There are also other models of high temperature data loggers, for temperature only and humidity too.



Main features

- Completely food grade and waterproof
- Radial temperature sensor
- 1/2 Gass threaded connector to be screwed outside autoclave (the logger can still be used inside the autoclave though)
- **TS Manager software calculates lethality value (F0, PU, A0 ecc.)**
- Low battery consumption for an extended battery life
- User **replaceable battery (software shows battery status)**
- Accredia (NIST equivalent) traceable calibration certificate included
- Available **extended calibration from -40°C** (order extra calibration points)

Plus

- Extremely high accuracy and precision for temperature and pressure: with an accuracy of $\pm 0,1^{\circ}\text{C}$ these devices can be employed in any application involving pharmaceuticals, validation, laboratory and medical field
- High accuracy even outside the calibration range
- Fast response time thanks to the 3 mm diameter probe
- Printed reports compliant with health regulations and ISO (data are not editable in the software)

The system

The system is made up by:

- PressureDisk temperature data logger
- DiskInterface HS or Universal Multibay
- HumiPressureDisk software or TS Manager software (compatible with the FDA 21 CFR Part 11 regulation)

Accessories

- HumiPressureDisk
- TS Manager
- DiskInterface HS
- Universal multibay
- PressureDisk, S-Disk J, L-Disk battery kit
- Filter for PressureDisk

Applications



Validation



Sterilisation



Pharmaceutical



Medical



Healthcare



Cosmetics



Laboratories



Food & Beverages

Technical specifications

Dimensions	43,22 h X 35 Ø (mm) - 55 (mm) total h with ½ Gass threaded part
Radial probe dimensions	20 l X 3 Ø (mm)
Weight	145 g
Materials	Stainless steel AISI316L, PEEK
Temperature range	-40°C ÷ +140°C
Standard calibration points (temperature)	25/50/75/100/121/140°C
Extra calibration points (temperature)	Within the range -40 °C ÷ +140 °C
Temperature resolution	0,01 °C
Temperature accuracy	± 0,1 °C (within the calibration range)
Pressure range	0 bar ÷ 5 bar absolute
Standard calibration points (pressure)	50/1k/2k/3k/4k absolute mbar
Extra calibration points (pressure)	Within the range 50 mbar ÷ 5 bar absolute
Pressure resolution	1 mbar
Pressure accuracy	± 15 mbar
Memory (n. of acquisitions)	27.264
Acquisition step	From 1 every second up
Protection degree	IP68
Battery life	+6.000.000 acquisitions at 1 second step continuously (calculated time @25°C. Battery life may be shorter if used in low temperatures)
Software&Mobile App	HumiPressureDisk, TS Manager
Accessories	DiskInterface HS, Multibay universale

DECLARATION OF CONFORMITY

Dichiarazione di Conformità

Directives / Direttive:

**EMV 2014/30/EU
RoHS 2011/65/EU**

The manufacturer: Tecnosoft srl
Il costruttore: Via Galvani, 4, 20068, Peschiera Borromeo (MI)- ITALY

Declares that: Type: Data Logger di Temperatura & Pressione
Dichiara che: Type: Temperature & Pressure Data Logger

Model: PressureDisk (all models / tutti i modelli)
Modello: and related interfaces / e relative interfacce
DiskInterface HS

Satisfies the following standards:

Sono conformi ai seguenti standard:

- **EN55011** Industrial, scientific and medical (ISM) radio-frequency equipment – Electromagnetic disturbance characteristics – Limits and methods of measurement
- **IEC EN 61000-4-2**, Electromagnetic compatibility (EMC) - Part 4-2: Testing and measurement techniques - Electrostatic discharge immunity test
- **IEC EN 61000-4-3**, Electromagnetic compatibility (EMC) - Part 4-3: Testing and measurement techniques - Radiated, radio-frequency, electromagnetic field immunity test
- **IEC EN 61000-4-8**, Electromagnetic compatibility (EMC) - Part 4-8: Testing and measurement techniques - Power frequency magnetic field immunity test

Peschiera Borromeo, July / Luglio 2023

Carlo Magnaghi
(President)

TECNOSOFT s.r.l.
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