



CLINICAL THERMOMETERS | BLOOD PRESSURE MONITORS | BLOOD GLUCOSE METER | DATALOGGERS  
OTHER PRODUCTS FOR PHARMACIES, HOSPITALS AND PRACTICE OF MEDICINE



Tradition and quality since 1946

**exa therm**

[www.exatherm.cz](http://www.exatherm.cz)

## Authorized metrological centre

Authorized by The Czech Office for Standards, Metrology and Testing for verification of specified gauges with the official mark K and license number 133.



### Verification of areometers within the range:

- Laboratory Hydrometers with scale division less than 1 kg.m<sup>3</sup> excepting Hydrometers for soilmeasuring (Casagrande)
- Laboratory Hydrometers with scale division <0,2%
- Laboratory Saccharometers with scale division 0,1%
- Laboratory Cidermeters with scale division 0,2 kg.hl<sup>-1</sup>
- Laboratory Lactometers with scale division <0,5 kg.m<sup>3</sup>

ÚŘAD PRO TECHNICKOU NORMALIZACI, METROLOGII  
A STÁTNÍ ZKUŠEBNICTVÍ

Č.j. 3328/08/02 V Praze 10. listopadu 2008

**ROZHODNUTÍ**

Úřad pro technickou normalizaci, metrologii a státní zkušebnictví podle § 13 odst. 1 písm. c) a § 16 zákona č. 505/1990 Sb., o metrologii, ve znění pozdějších předpisů (dále jen „zákon“) ve správním řízení rozhodl takto:

Zadatel  
**EXATHERM, s.r.o.**  
Jablonec nad Nisou, Vlastovčí 4491/18, PSČ 46 601  
IČ: 44569301

se uděluje

**AUTORIZACE**

pro ověřování stanovených měřidel v rozsahu uvedeném v příloze k tomuto rozhodnutí. Zadatel se přiděluje úřední značka K s evidenčním číslem 133, na jejíž použití se vztahují § 9 a § 16 zákona a § 6, vyhlášky č. 262/2000 Sb., ve znění pozdějších předpisů.

Podmínky autorizace, obsahující základní požadavky a povinnosti, které je autorizované metrologické středisko povinno při ověřování stanovených měřidel dodržovat, jsou uvedeny v příloze k tomuto rozhodnutí, která tvoří jeho nedílnou součást.

Odůvodnění:  
Ve výroku rozhodnutí uvedený žadatel vyhověl podmínkám stanoveným v § 16 zákona a § 9 vyhlášky č. 262/2000 Sb. Splnění podmínek je dokumentováno ve spisu č.j. 3328/08/01, uloženém v Úřadu pro technickou normalizaci, metrologii a státní zkušebnictví.

Poučení:  
Proti tomuto rozhodnutí lze podat odvolání do 15 dnů ode dne jeho doručení k Ministerstvu průmyslu a obchodu ČR prostřednictvím Úřadu pro technickou normalizaci, metrologii a státní zkušebnictví.

Příloha: Podmínky autorizace

Ing. Alexander Šafařík-Pšrosz  
předseda

Příloha k č.j. 3328/08/02 ze dne 10. listopadu 2008 1/7

**ÚŘAD PRO TECHNICKOU NORMALIZACI,  
METROLOGII A STÁTNÍ ZKUŠEBNICTVÍ**

Příloha  
k č.j. 3328/08/02  
ze dne 10. listopadu 2008

**PODMÍNKY  
AUTORIZACE K OVĚŘOVÁNÍ MĚŘIDEL**

Podmínky autorizace se vztahují na ověřování měřidel hustoty:

- laboratorní hustoměry s hodnotou dílku menší než 1 kg.m<sup>-3</sup> s výjimkou hustoměrů na měření zrnitosti zemin (Casagrande),
- laboratorní lihoměry s hodnotou dílku ≤ 0,2 %,
- laboratorní cukroměry s hodnotou dílku 0,1 %,
- laboratorní moštoměry s hodnotou dílku 0,2 kg.hl<sup>-1</sup>,
- laboratorní hustoměry na mléko s hodnotou dílku ≤ 0,5 kg.m<sup>-3</sup>

v autorizovaném metrologickém středisku

**EXATHERM, s. r. o., IČ 44569301**  
se sídlem Vlastovčí 4491/18, Jablonec nad Nisou, PSČ 466 01

Vlastní výkon ověřování bude prováděn v metrologickém středisku na adrese  
Pelechov 17, Železný Brod, PSČ 468 00.

Úřad pro technickou normalizaci,  
metrologii a státní zkušebnictví  
Gorazdova 24, P.O. BOX 49  
128 01 Praha 2



# Accredited calibration laboratory No. 2259

Accredited by The Czech Accreditation Institute

## Calibration of glass thermometers in dimension :

-30 to +360 °C

## Calibration of Hydrometers for liquid density in dimension :

800 - 2000 kg.m<sup>-3</sup>  
0 - 100% obj.  
30 - 60% hm.  
10 - 30 kg/hl

## Calibration of electronic Thermometers :

-30 to +360 °C

  
NÁRODNÍ AKREDITAČNÍ ORGÁN  
Český institut pro akreditaci,  
obecně prospěšná společnost  
110 00 Praha 1 - Nové Město, Opletalova 41

vydává

## OSVĚDČENÍ O AKREDITACI

č. 192 / 2008  
pro  
kalibrační laboratoř č. 2259  
**EXATHERM, s.r.o.**  
(IČ 44569301)  
Kalibrační laboratoř  
Pelechov č. 17, 468 22 Železný Brod

Předmět akreditace:

Kalibrace skleněných areometrů, skleněných a elektronických teploměrů v rozsahu uvedeném v příloze tohoto osvědčení.

Jménem akreditované kalibrační laboratoře jedná Bohunka Bismilerovala a za správnost kalibračních listů odpovídají Bohunka Bismilerovala a Jarmila Nováková.

Toto osvědčení o akreditaci vydal Český institut pro akreditaci, o.p.s. na základě posouzení splnění akreditačních kritérií podle ČSN EN ISO/IEC 17025:2005

a po zjištění, že kalibrační laboratoř je odborně způsobilá objektivně a nezávisle vykonávat činnosti uvedené v rozsahu předmětu akreditace.

Adresát tohoto osvědčení je oprávněn používat při své činnosti v rozsahu tohoto osvědčení a po dobu jeho platnosti vedle svého názvu označení „akreditovaná kalibrační laboratoř č. 2259“, pokud dodržuje veškeré příslušné předpisy vztahující se k činnosti akreditované kalibrační laboratoře, včetně předpisů vydaných Českým institutem pro akreditaci, o.p.s.

Prokáže-li se, že adresát tohoto osvědčení neplní akreditační kritéria rozhodná pro jeho vydání a závazky podmiňující akreditaci, může Český institut pro akreditaci, o.p.s. účinností tohoto osvědčení pozastavit nebo osvědčení o akreditaci zrušit nebo změnit.

Toto osvědčení platí do: **31.03.2011**  
a v plném rozsahu nahrazuje osvědčení o akreditaci vydané ČIA č. 246/2007 ze dne 12.04.2007

V Praze dne: 09.05.2008

  
Ing. Jiří Růžička, MBA  
ředitel  
Českého institutu pro akreditaci, o.p.s.



Poučení:  
Proti tomuto osvědčení, pokud jde o rozsah předmětu akreditace, má adresát možnost podat písemné námitky do 10 dnů od jeho převzetí. Námitky nemají odkladný účinek.

Příloha č. 1 ze dne: 9.5.2008  
je nedílnou součástí  
osvědčení o akreditaci č. 192/2008 ze dne: 9.5.2008

List 1 z 2

Akreditovaný subjekt:  
**EXATHERM, s.r.o.**  
Kalibrační laboratoř  
Pelechov č.17,468 22 Železný Brod

Kalibrační listy podepisuje:  
Bohunka Bismilerovala vedoucí kalibrační laboratoře  
Jarmila Nováková zástupce vedoucí laboratoře


Obor měření veličiny: hustota

Kalibrace: Nominalní teplota pro kalibraci: (23 ± 4)°C

Poradové číslo	Měřená veličina	Rozsah měřené veličiny	Nejlepší měřicí schopnost [ ± ] <sup>1)</sup>	Identifikace metody
1	Hustota kapalin	800-2000 kg.m <sup>-3</sup> 0-100% obj. 30-60% hm. 10-30 kg/hl	0,23 kg.m <sup>-3</sup> 0,09% obj. 0,10% hm. 0,09 kg/hl	IKP č. 02/00

Obor měření veličiny: teplota

Poradové číslo	Měřená veličina	Rozsah měřené veličiny	Nejlepší měřicí schopnost [ ± ] <sup>1)</sup>	Identifikace metody
1	Teplota-skleněné teploměry	(-30)-(-15)°C (-15)-(0)°C 0-50°C 50-150°C 150-200°C 200-300°C 300-360°C	0,04°C 0,02°C 0,07°C 0,07°C 0,11°C 0,12°C 0,14°C	IKP č. 01/06
2	Teplota-elektronické teploměry	(-30)-(-15)°C (-15)-(0)°C 0-50°C 50-150°C 150-200°C 200-300°C 300-360°C	0,04°C 0,02°C 0,07°C 0,07°C 0,11°C 0,12°C 0,12°C	IKP č. 03/06



Příloha č. 1 ze dne: 9.5.2008  
je nedílnou součástí  
osvědčení o akreditaci č. 192/2008 ze dne: 9.5.2008


List 2 z 2

Akreditovaný subjekt:  
**EXATHERM, s.r.o.**  
Kalibrační laboratoř  
Pelechov č.17,468 22 Železný Brod

Měřené přístroje či zařízení:  
(v souladu s výše uvedeným přehledem měřících veličin a jejich rozsahů měření mohou být měřeny následující typy přístrojů či zařízení, nejistoty uvedené na kalibračním listě budou dány nejistotou daného přístroje či zařízení zvýšenou o příslušnou schopnost měření laboratoře pro příslušnou měřenou veličinu a její rozsah měření)

Poradové číslo	Typ měřícího přístroje či zařízení
1	Skleněné hustoměry s neproměnnou hmotností
2	Skleněné teploměry
3	Elektronické teploměry

<sup>1)</sup> vyjádřena obdobně jako nejistota v souladu s požadavky dokumentu EA 4/02 pří k = 2  
IKP – interní kalibrační postup



## About company

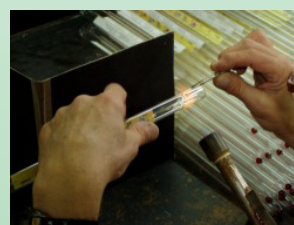
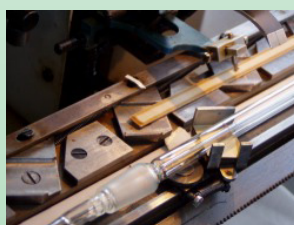
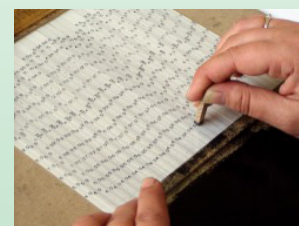
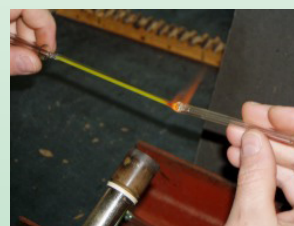
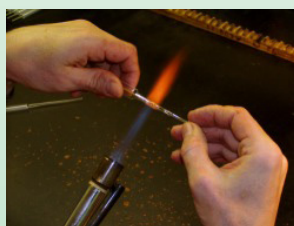
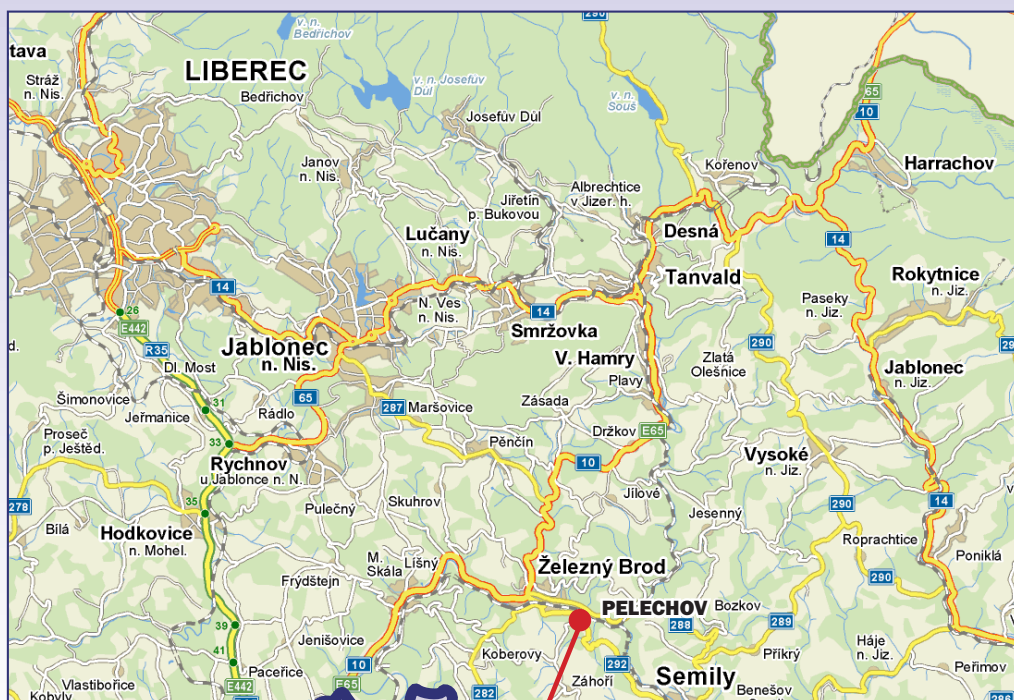
At the present time is still main company plan the production and distribution of glass Technical and Clinical thermometers and glass Hydrometers.

Exatherm Ltd, exercises own calibration laboratory, registered under No. 2259, accredited by Czech Institut for Accreditation (CIA), which is member of ILAC (International Accredited Calibration Laboratory), since 1996. All issued documents are valid in the whole European Union.

The laboratory is competent to calibrate Temperature and Density.

Other product part of Exatherm Ltd, is metrological laboratory, accredited by Czech office for Standard, Metrology and Testing, for verification specified measures with official marks „K“ No.133, reference number 3328/08/02 dated 10th November, 2008.

Other, no less but still enlarged business program is sell of other measure devices. There are Thermometers for house and garden, and other medical devices (for example, Blood Pressure Monitors, Blood Glucose Monitors etc.)



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## Clinical Thermometers

### Glass clinical thermometer MERCURY FREE

Measuring range: +35°C +42 °C  
Accuracy: +0,1°C / -0,15°C  
Scale: paper  
Prismatic capillary: blue  
Non toxic, and environmentally friendly  
Liquid : Ga, In, Sn  
Plastic case.  
Packed by 10 pieces.  
€1023

Order No. **801130**

EAN  
8595131418395



### Glass clinical thermometer MERCURY FREE with shaking case

Measuring range: +35°C +42 °C  
Accuracy: +0,1°C / -0,15°C  
Scale: paper  
Prismatic capillary: blue  
Non toxic, and environmentally friendly  
Liquid : Ga, In, Sn  
Plastic shaking case.  
Packed in hang box.  
€1023

Order No. **801131**

EAN  
8595131417695



### Glass clinical thermometer with MERCURY

Measuring range: +35°C +42 °C  
Accuracy : +0,1°C / -0,15°C  
Scale: paper  
Prismatic capillary: yellow  
Liquid: Mercury  
Plastic case  
€1014

Order No. **100001 C1**

EAN  
8595131418081



### Digital clinical thermometer EXATHERM Basic

Measuring range: +32,0°C +43,0°C  
Accuracy : +/- 0,1 °C  
Hard collar  
Water Proof  
Automatic switch off  
Large display  
Memory for last measurement  
Fever alarm  
€10197

Order No. **700027**

EAN  
8595131417671



### Digital clinical thermometer EXATHERM

Measuring range: +32,0°C +43,0°C  
Accuracy : +/- 0,1 °C  
Elastic collar  
Water Resistant  
Automatic switch off  
Large display  
High Speed 30sec.  
Memory for last measurement  
Fever alarm  
€10197

Order No. **700023**

EAN  
8595131418074



### Digital clinical thermometer EXATHERM Rapid Comfort

Measuring range: +32,0°C +43,0°C  
Accuracy : +/- 0,1 °C  
Elastic collar  
Water Resistant  
Automatic switch off  
Large display  
High Speed 10sec.  
Memory for last measurement  
Fever alarm  
€10197

Order No. **700025**

EAN  
8595131418401



## Infrared forehead thermometer FS-100

Measuring range: +20 °C +42,2 °C  
Accuracy : +/-0,2°C  
Measuring time 2 to 5 sec  
Large display  
Automatic switch off  
°C/°F  
Comfortable and easy use  
Dimension : 36 x 32 x 116 mm  
€ €0120



Order No. **700017**

EAN  
8595131418272



## Infrared forehead thermometer NFS 100

Measuring range: +20°C +42,2 °C  
Accuracy : +/-0,2°C  
Comfortable and easy use  
Large display  
Measuring time 3sec.  
8 memoirs  
Kinder, gentler way for measurement  
Dimension : 33 x 42 x 143 mm  
€ €0120



Order No. **700010**

EAN  
8595131418111



## Infrared forehead thermometer FS700

Measuring range ( Body / head ): +34°C +42,5 °C  
Accuracy : +/-0,2°C ( 36-39°C )  
+/- 0,3°C ( 34 - 35,9 ; 39,1 - 42,5°C )  
Other measurement : +10°C - 60°C  
Comfortable and easy use.  
Display : LCD  
Power : DC3V ( AAA 1,5V 2pcs ).  
Baterly life about 5000 readings.  
Dimension : 152 x 36 x 37 mm  
€ €0120

Methods of use :  
+ measuring distance 2-3 cm  
+ mesure time above 3 seconds  
+ memory of last 32 readings  
+ beep sound  
+ display with 2 colours backlight ( red / green )  
+ fever alarm  
+ automatic shut off ( after 1 minute )



Order No. **700028**

EAN  
8595131417701



## NexTemp

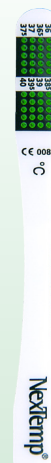
MII's thermometry products employ "Precision Phase-Change" (PPC) technology, with is accurate to  $\pm 0,1^{\circ}\text{C}$ . The thermometers are thin plastic strips of material with an encapsulated matrix of harmless, non-toxic chemical dots at one end. Each dot in the matrix represents a specific temperature. The temperature dots cover a range of  $35,5^{\circ}\text{C}$  to  $40,4^{\circ}\text{C}$ . The dots are a bright green color at normal room temperature. However, when the thermometer is placed in the mouth, the dots turn black in sequence. Each dot in the matrix turns from green to black as its own specific chemical temperature point is met. After the thermometer is removed from the mouth, the last black dot is read to determine the subject's actual temperature. The chemical dots will revert back to their original green state in a short period of time, so the unit can be reused (if reusable), or shipped in extreme hot or cold temperatures without damage.

## NEXTEMP STANDARD - clinical oral thermometer

Convenient, single-use device.  
Measuring range: +35,5°C +40,4°C, Accuracy: +/- 0,1 °C  
Oral readings after 1 minute.  
Read last black dot (highest temp. point) to determine correct temperature.  
Shelf life is 5 years from the date of manufacture.  
No special storage requirements.  
Best if stored in a cool, dry place (at or below 30°C), non-toxic & environmentally friendly.  
€ €0086

Order No. **900001**

EAN  
8595131418357



## NEXTEMP REUSABLE thermometer in carrying card

Same great NexTemp thermometer, but designed specifically for reuse.  
Cleans with an alcohol swab, or warm soapy water.  
Reuse with same person only.  
€ €0086

Order No. **900003**

EAN  
8595131418371

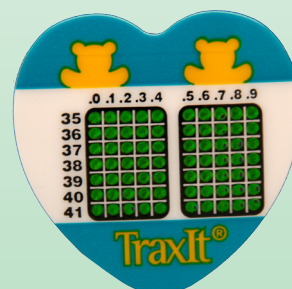


## TRAXIT - children's thermometer

Measuring range: +35,5°C +40,4°C  
Accuracy: +/- 0,1 °C  
Enables continuous temperature readings for up to 48 hours.  
Applies with a gentle medical tape backing.  
TraxIt will adhere to the armpit through bathing and may be left in place up to 48 hours on normal, healthy, intact skin.  
€ €0086

Order No. **900002**

EAN  
8595131418364



## Blood Pressure Monitors

### Blood pressure monitor NBP 100

Measuring range : 20 - 300 mmHg  
Memory : 60 memories of test results with automatic time and date recording  
Fast and accurate measurement  
Fuzzy logic system  
Cuff storage combined  
Cuff size 23-33 cm  
Options : Adapter  
C €0123



Order No. **700016**

EAN  
8595131418302



## Urinometers

Scale calibrated at +15°C.

Measuring range of thermometer +10°C to +30°C, division 1°C.

Measuring range (kg.m <sup>-3</sup> )	Division (kg.m <sup>-3</sup> )	Length (mm)	Catalogue number	
			without thermometer	with thermometer
1000 - 1060	1	150	3801001	
1000 - 1060	2	100	3802001	
1000 - 1040	1	180		3811002





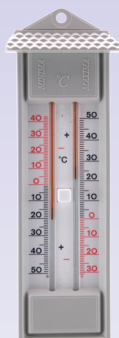
## Max - Min Thermometers

### Max - Min thermometer mercury free

Measuring range: -30°C +50 °C  
Dimension: 230 x 65 mm  
Weight: 96 g  
Color: grey  
Package: box

Order No. **102991**

EAN  
8595131413512



### Max - Min thermometer mercury free

Measuring range: -30°C +50 °C  
Dimension: 230 x 65 mm  
Weight: 96 g  
Color: green  
Package: box

Order No. **102992**

EAN  
8595131413529



### Max - Min thermometer with hygrometer

Measuring range: -50°C +50 °C  
20-100 %  
Dimension: 250 x 110 x 40 mm  
Weight: 194 g  
Color: green  
Package: box

Order No. **86600**

EAN  
8595131412102



### Electronic digital thermometer with hygrometer, Max-Min function

Measuring : -10°C +50 °C  
Function: MAX-MIN  
range: 25-98 % RH  
Dimension: 110 x 70 mm  
Weight: 50 g  
Color: white  
Package: blister

Order No. **105021**

EAN  
8595131411785



## Coolroom Thermometers

### Coolroom thermometer

Measuring range: -40°C +40 °C  
Dimension: 155x23 mm  
Weight: 15g  
Color: white  
Package: box

Order No. **125101**

EAN  
8595131412799

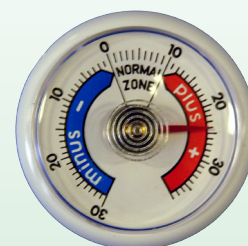


### Coolroom thermometer - bimetal

Measuring range: -30°C +30 °C  
Dimension: diameter 45mm  
Weight: 6g  
Color: white  
Package: skin

Order No. **104605**

EAN  
8595131411723



### Coolroom thermometer

Measuring range: -20°C +50 °C  
Dimension: 180 x 25 x 9 mm  
Weight: 11g  
Color: blue  
Package: box

Order No. **92800**

EAN  
8595131412188



### Coolroom thermometer with alarm

Measuring range: -50°C +70 °C  
Function: ALARM  
Dimension: 135 x 125 mm cable with  
Sensor 1 m  
Weight: 85g  
Color: white  
Package: blister  
Safety zone :  
Freezer: (-9,5 °C -23 °C)  
Ice box: (+2 °C +8 °C)

Order No. **105240**

EAN  
8595131412591



## Laboratory Thermometers for purposes in Health

**Enclosed scale laboratory thermometers for general purpose** | Sheath tube diameter D = 8-9 mm. | Total length stated in the table.  
Prismatic transparent or blue reflecting capillary, milk glass scale, fastening with button or ring (if stated in the order), total immersion.

Measuring range (°C)	Division (°C)	Length (mm)	Catalogue number		
			prism. transp. capillary Hg	blue reflecting capillary Hg	prism. transp. capillary organic
-80 to +30	1	260			111015
-60 to +50	1	260			111025
-35 to +50	1	260	111030	111031	111035
-10 to +50	1	200	111040	111041	111045
-10 to +110	1	260	111050	111051	111055
-35 to +110	1	280	111060	111061	111065
-10 to +150	1	280	111070	111071	111075
-10 to +200	1	300	111080	111081	111085
-10 to +250	1	300	111090	111091	
-10 to +300	1	320	111100	111101	
-10 to +360	1	340	111110	111111	
-10 to +400	1	340	111120	111121	
-35 to +50	0,5	280	111230	111231	111235
-10 to +50	0,5	260	111240	111241	111245
-10 to +110	0,5	300	111250	111251	111255
-10 to +150	0,5	340	111270	111271	111275
-10 to +200	0,5	360	111280	111281	

**Stem form laboratory thermometers for general purpose** | Thermometer diameter D = 6-7 mm. | Total length is stated in the table.  
Round white backed capillary, scale etched on the capillary surface, fastening with button, total immersion.

Measuring range (°C)	Division (°C)	Length (mm)	Catalogue number	
			Thermometric liquid	
			Hg	organic
-80 to +30	1	260		121015
-60 to +50	1	260		121025
-35 to +50	1	260	121030	121035
-10 to +50	1	200	121040	121045
-10 to +110	1	260	121050	121055
-35 to +110	1	280	121060	121065
-10 to +150	1	280	121070	121075
-10 to +200	1	300	121080	121085
-10 to +250	1	300	121090	
-10 to +300	1	320	121100	
-10 to +360	1	340	121110	
-10 to +400	1	340	121120	
-35 to +50	0,5	280	121230	121235
-10 to +50	0,5	260	121240	121245
-10 to +110	0,5	300	121250	121255
-10 to +150	0,5	340	121270	121275
-10 to +200	0,5	360	121280	

**Enclosed scale thermometer with maximum device** | Sheath tube diameter D = 7-8 mm | Total length L is stated in the table.  
Prismatic transparent or blue reflecting capillary, maximum device acc. to Hicksch, milk glass scale, fastening round with ring, Hg, total immersion.

Measuring range (°C)	Division (°C)	Length (mm)	Catalogue number	
			prismatic. transp. capillary	blue reflecting capillary
-10 to +80	1	230	141040	141041
-10 to +110	1	260	141050	141051
-10 to +150	1	260	141070	141071
-10 to +200	1	300	141080	141081
-10 to +250	1	300	141090	141091
-10 to +60	0,5	260	141240	141241
-10 to +110	0,5	300	141250	141251

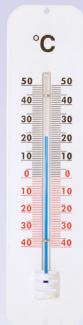
## Indoor Thermometers – suited for calibration

### Indoor thermometer - aluminium

Measuring range: -40 +50°C  
Dimension: 285 x 70mm  
Weight: 78g  
Color: white  
Package: blister card

Order No. **100**

EAN  
8595131410016



### Universal thermometer - plastic

Measuring range: -30 +50°C  
Dimension: 207 x 43 x 8mm  
Weight: 15g  
Color: white  
Package: box

Order No. **80800**

EAN  
8595131412287



### Electronic digital thermometer with outdoor sensor

Measuring range: -50 až 70°C  
Function: MAX-MIN  
Dimension: 130 x 70mm  
Weight: 115g  
Color: silver  
Package: blister card

Order No. **105061**

EAN  
8595131413345



## Bath Thermometers

### Bath thermometer - fish

Measuring range: +10 +45 °C  
Dimension: 150 x 60 mm  
Weight: 29g  
Color: Yellow  
Package: blister card, box

Order No. **501**

EAN  
8595131412508



### Bath thermometer - fish

Measuring range: +10 +45 °C  
Dimension: 150 x 60 mm  
Weight: 29g  
Color: Orange  
Package: blister card, box

Order No. **502**

EAN  
8595131412867



### Bath thermometer - fish

Measuring range: +10 +50 °C  
Dimension: 150 x 60 mm  
Weight: 23g  
Color: Pink  
Package: blister card, box

Order No. **1682**

EAN  
8595131410085



### Bath thermometer - fish

Measuring range: +10 +50 °C  
Dimension: 150 x 60 mm  
Weight: 23g  
Color: Blue  
Package: blister card, box

Order No. **1683**

EAN  
8595131410092



### Spa glass thermometer

Measuring range: +10 +50 °C  
Dimension: 200 x 20 mm  
Weight: 50 g  
Package: free

Order No. **242100**

EAN  
8595131410993

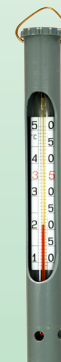


### Spa glass thermometer with sheath

Measuring range: +10°C +50 °C  
Dimension: 200 x 20 mm  
Weight: 100 g  
Package: free

Order No. **242101**

EAN  
8595131411006





## Dataloggers

Thermometers are designed for record of temperature or temperature together with signal from a contact. Values are stored to a non volatile electronic memory. Data transfer to the personal computer for further analysis is performed via USB, RS232, GSM or Ethernet interface by means of a proper adapter.

### Main thermometer applications:

- Transport of food or pharmaceuticals - tested by accredited laboratory in accordance with the European standard EN 12830 - Temperature recorders for transport, storage and distribution of chilled, frozen food.
- Food and beverage industry (HACCP)
- Pharmaceutical industry
- Blood stations, pharmacies
- Horticulture and cultivation of plants
- HVAC (heating, ventilation, air conditioning, cooling)
- Building and energy management
- Research and development
- Laboratories (GLP)
- Warehouses
- Technological processes
- Museums, archives, galleries










### Thermometer advantages:








- included traceable calibration certificate from the manufacturer - Comet
- fast data transfer to the PC (full memory for approximately 30s)
- variability of connection to the computer - USB, RS232, Ethernet, GSM modem

- permanent connection to the PC enabled, data is possible to download even during logging
- large data memory 32000 values
- large dual line display with special symbols, switchable
- optional display of minimum and maximum measured values (reset of min/max memory from PC or by magnet)
- dual level alarm is enabled for each channel, alarm is indicated by blinking of the value on the LCD display or LED diode
- two alarm modes are enabled: instant or with memory (detected alarm is indicated permanently till alarm memory is cleared from the PC)
- robust watertight case
- easy installation, locking enabled
- low power consumption from battery, battery life up to 7 years
- indication of remaining battery life, easy replacement of the battery
- standard temperature sensor is Pt1000/3850ppm, switchable to Ni1000/6180ppm external probes at range -50 to +150°C
- it is possible to combine temperature measurement with logging of contact state (e.g. door contact)
- logging start/stop is enabled in several ways: at certain time and date programmed from computer, by delivered magnet or depending on binary input state (type S0841)
- also special logging mode is enabled, when logging runs only, if some of measured values are out of adjusted alarm limits
- each logger is possible to describe with text of maximum 32 characters
- each channel is possible to describe with text of maximum 16 characters
- password protection is enabled to prevent unauthorized manipulation with logger









Order No.	Thermometer description	Measuring range temperature	Measuring range humidity	Rozsah atm.tlak	EAN	
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### Temperature Dataloggers

With LCD display						
S0110	Single channel thermometer with internal sensor.	-30 to +70°C			8595131413192	
S0110E	Economy single channel thermometer with internal sensor with measurement accuracy: ±0.6°C from -30 to +30°C ±0.8°C from +30 to +70°C.	-30 to +70°C			8595131413338	
S0111	Single channel thermometer for temperature logging from one external probe.	-90 to +260°C			8595131413208	
S0121	Dual channel thermometer for temperature logging from two external probes.	-90 to +260°C			8595131413215	
S0122	Dual channel thermometer for temperature logging from two external probes.	external -90 +260°C indoor -30 +70°C			8595131413222	
S0141	Four channel thermometer for temperature logging from four external probes.	-90 to +260°C			8595131413239	
S0841	Dual channel thermometer for temperature logging from two external probes. Additional inputs for two binary signals, e.g. from door contact.	-90 to +260°C			8595131413246	
Without LCD display						
R0110	Single channel thermometer with internal sensor.	-40 to +80°C			8595131413253	
R0110E	Economy single channel thermometer with internal sensor with measurement accuracy: ±0.6°C from -30 to +30°C ±0.8°C from +30 to +70°C.	-30 to +70°C			8595131413260	

With Ethernet connection						
T0510	Thermometer for ambient temperature measurement. Built-in sensor.	-30 to +80 °C			8595131413420	
T4511	Temperature transducer for RTD Pt1000 probes (not included). Accuracy of the input without probe +/- 0,2 °C.	-200 to +600 °C			8595131413437	
P8510	Industrial ethernet thermometer - low cost Intelligent www sensor	-30 to +80 °C			8595131413444	
P8511	Single channel thermometer for one DSTGL40/C probe.	-55 to +80 °C			8595131413451	
P8541	Four channel thermometer for four FDSTGL40/C probes	-55 to +80 °C			8595131413468	
Temperature recorder with Built-in printer. ( Use: print-out of temperature record during transport of foods, pharmaceuticals, flowers, live animals and other goods )						
G0221	Temperature recorder with printer T-print - Dual channel thermometer with printer	-90 to 260 °C			8595131413406	
G0841	Temperature recorder with built-in printer - outdoor version for semi trailer	-90 to 260 °C			8595131413413	

## Temperature and humidity Dataloggers

With LCD display						
S3120	Thermometer-hygrometer including dew point temperature. With internal T+RH sensors.	-30 to +70 °C	0 - 100 %		8595131413277	
S3121	Thermometer-hygrometer including dew point temperature. With external T+RH probe with cable length of 1 meter. Cable lengths 2 and 4 meters available optionally. Probe diameter is 18mm, length 90mm.	-30 to +105 °C	0 - 100 %		8595131413284	
S3631	Thermometer-hygrometer with internal T+RH sensors. Additional connector for external temperature probe. Alternative display of dew-point temperature, external probe temperature and the temperature difference of external probe and dew-point temperature. Necessary to order external temperature probe with Pt1000 sensor with female K1321 connector.	-30 to +70 °C (indoor), -90 až +260 °C (external)	0 - 100 %		8595131413291	
S3541	Thermometer-hygrometer including dew-point calculation with internal T+RH sensors. Additional Canon 9pins connector for two signals 0-5Vdc (±0.2% FS accuracy). Necessary to order connector for connection of input signals.	-30 to +70 °C	0 - 100 %		8595131413307	
Without LCD display						
R3120	Thermometer-hygrometer including dew point temperature. With internal T+RH sensors.	-30 to +80 °C	0 - 100 %		8595131413314	
R3121	Thermometer-hygrometer including dew point temperature. With external T+RH probe with cable length of 1 meter. Cable lengths 2 and 4 meters available optionally. Probe diameter is 18mm, length 90mm.	-30 to +105 °C	0 - 100 %		8595131413321	
With ethernet connection						
T3510	Thermometer-hygrometer for ambient temperature, humidity measurement. Built-in sensors.	-30 to +80 °C	0 - 100 %		8595131413475	
T3511	Thermometer-hygrometer. T+RH probe with 1m cable. Cable lengths 2m or 4m available optionally.	-30 to +105 °C	0 - 100 %		8595131413482	



## Contacts

### Seat :

Exatherm Ltd.  
Bořivojova 878/35  
130 00 Praha 3  
Czech Republic  
[www.exatherm.cz](http://www.exatherm.cz)

### Plant :

Exatherm Ltd.  
Pelechov 17  
468 22 Železný Brod  
Czech Republic  
Tel : +420 483 346 721  
Fax : +420 483 346 791  
E-mail : [info@exatherm.cz](mailto:info@exatherm.cz)  
[www.exatherm.cz](http://www.exatherm.cz)

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