

# MEDIVATORS™ ISA™

Endoscope Reprocessor



SERVICE MANUAL

WASHER-DISINFECTOR

For example, a **report setting** looks like this:

```

Medivators ISA
6-0929
SW: 3.7.0
2021/08/20 15:44:21
MAX_V11 0      10
MAX_V12 0      10
SGR      0      1
FT1      0      14.767
FT2      0      15.089
FT5      0      1
FT6      0      1
FT7      0      1
FT8      0      1
FT9      0      1
FT10     0      1
FT13     0      0.4
FT14     0      10.874
FT19     0      0.275
T1       55     0.025
T2       55     0.025
TP1      400    5.9
TP2      391    1.212
TP3      404    6.379
TP4      400    6.379
TP5      400    6.2
TP7      393    6.309
FT3      0      0.275

```

## PRINTER

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The printers displayed on this page have already been installed on PC.

Select the printer from the list



It means that you can load the endoscopes from an internal database, divided by Brand, Category and Model:

The interface consists of four sequential screens for selecting endoscope details:

- Screen 1:** Shows the 'BRAND' dropdown menu open with a list of manufacturers including (Any Dilator Manufacturer), BK Medical, EndoChoice, Fujifim, Gyrus ACSI (Olympus), ISA, Karl Storz, Olympus, Pentax, Richard Wolf, Stryker, Surgical Technologies, Verathon Medical, Vision Sciences, Welch Allyn, and Xion.
- Screen 2:** Shows 'Olympus' selected in the 'BRAND' dropdown and the 'CATEGORY' dropdown menu open with a list of endoscope types including Airway Mobilescopes, Bronchoscope, Choledochoscope, Colonoscope, Cystoscope, DuodenoSCOPE, Enteroscope, Esophageal, GastroSCOPE, Hysteroscope, Laryngoscope, PleuroSCOPE, RhinoLaryngoscope, Rigid Cystoscope & Obturator, Sigmoidoscope, Ultrasound Bronchoscope, and Ultrasound DuodenoSCOPE.
- Screen 3:** Shows 'Olympus' selected in 'BRAND' and 'GastroSCOPE' selected in 'CATEGORY'. The 'MODEL' dropdown menu is open, displaying a list of model numbers such as GIF-P230, GIF-P30, GIF-PQ20, GIF-PQ260I, GIF-PQ260L, GIF-PV10, GIF-Q10, GIF-Q140, GIF-Q145, GIF-Q150, GIF-Q160, GIF-Q160Y9, GIF-Q160Z, GIF-Q165, GIF-Q180, GIF-Q20, and GIF-Q200.
- Screen 4:** Shows 'Olympus' selected in 'BRAND', 'GastroSCOPE' selected in 'CATEGORY', and 'GIF-Q165' selected in 'MODEL'. The screen also displays 'DATABASE VERSION: 1.2'.

After entering the data on this page, you can move to the next page using the NEXT button or return to the previous screen with either button BACK - MENU  
Selection of channel is blocked

LEAK TEST		CHANNELS				
PRESSURE	240		P. MIN	P. MAX	ORDER	SEL
DELTA	50	C1-SOLUTION	10	340	1	X
CONTROL TIME	30	C2-AIR 1	10	550	2	X
LOADING CYCLE	3	C3-WATER	10	550	2	X
MINIMUM TIME	0	C4-AIR 2	10	550	2	X
		C5-BIOPSY	10	310	1	X
		C6-BIOPSY 2	10	0	0	
			V. MIN	V. MAX	T. MIN	T. MAX
		C7-AUX	0	0	0	0

Consider this page divided by 4 section:

## LEAK TEST

Set Pressure  
Maximum Admissible Leakage  
Check Time (SEC)  
Number of cycle for air loading\*  
Minimum time for filling the scope\*\*

\* Necessary in the case of large sized endoscopes, where only one loading cycle would cause an excessive loss of pressure, due to the non-complete filling of the endoscope.

\*\* Useful to verify that the pressure read is actually relative to the endoscope and that the tube of the connector seal test has not suffered bottlenecks (in this case the filling would be carried out in less time, as the size would be lower).

## ALCOHOL

ALCOHOL	
QUANTITY	ml: 10
TIME	s: 60
TIMEOUT	s: 10

Set the amount of Alcohol  
 Set the purge time after Alcohol  
 Set the time-out to fill the amount of Alcohol

## CHANNELS PARAMENTS

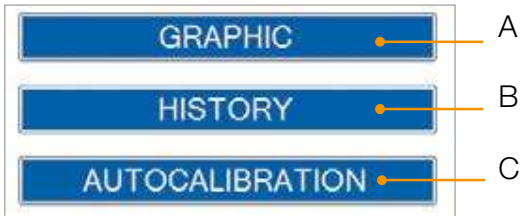
CHANNELS						
	P.MIN	P.MAX	ORDER	SEL		
SUCTION	10	290	3	X	A	
JET/AUX	10	550	2	X	B	
WATER	10	300	2	X	H	
AIR	10	550	2	X	G	
BIOPSY	10	290	3	X		
EXTRA	10	0	0			
	V.MIN	V.MAX	T.MIN	T.MAX	ORDER	SEL
ELEVATOR	500	1600	10	10	1	X

C
D
E
F
H
G

- A. Minimum channels flow setting
- B. Maximum channels flow setting
- C. Lower pressure limit for channel 7 (elevator channel)
- D. Higher pressure limit for channel 7 (elevator channel)
- E. Allowed time to decrease pressure to lower limit
- F. Allowed time to increase pressure to higher limit
- G. Flag on the active channels
- H. The order of the channels flow every 30 seconds\*

\* If set to "0" the channel flow continuously

## CALIBRATION FUNCTIONS

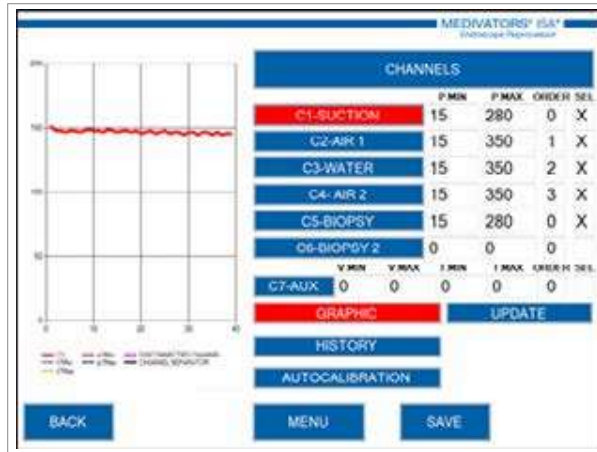
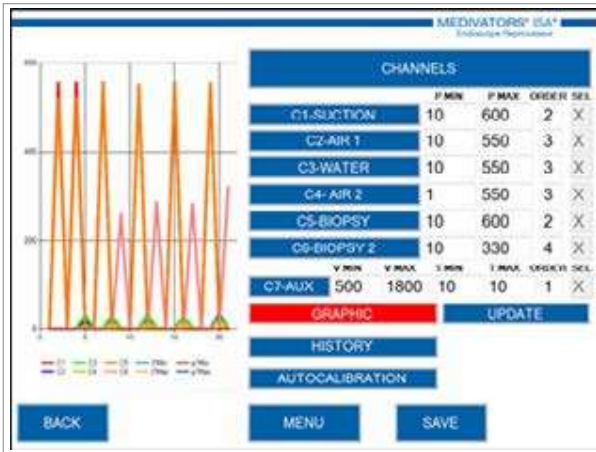


These functions, which will be detailed in the relevant chapter, are used for flow calibration of the endoscope channels.

**In particular:**

A. It is used to check the progress of the flows in the channels (considering them all together or requiring the chart for the specific channel: in

the latter case, you select the channel, which is highlighted in red):



When enabling this feature, another button will appear: If you type UPDATE, values encountered are updated and in this case, will affix them in the chart.

B. It is used to show historical value of flow per channel:

