

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

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

Select the printer from the list



The screenshot shows the 'MEDIVATORS ISA' software interface. At the top right, it says 'Endoscopic Hypnotism'. The main section is titled 'PRINTER' and contains a list of available printers: 'Custom PLUSII-USB', 'Microsoft XPS Document Writer', 'Fax', and 'Custom PLUSII-USB'. The 'Custom PLUSII-USB' printer is selected and highlighted in blue. Below the printer list is a small dropdown menu showing the number '8'. Below this is a section titled 'TITLE' with two buttons: 'CANTEL' and 'MEDICAL'. At the bottom center, there is a blue button labeled 'TECHNICAL MENU'.

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

The interface consists of four panels arranged in a 2x2 grid, each showing a different stage of the endoscope selection process. Each panel has a title bar with 'MEDVATORS® ISA*' and 'Endoscope Management System'. The panels include dropdown menus for 'BRAND', 'CATEGORY', and 'MODEL', and a 'DATABASE' list. Navigation buttons 'BACK', 'MENU', and 'NEXT' are at the bottom of each panel.

Top Left Panel: The 'BRAND' dropdown is open, showing a list of manufacturers: (Any Dilator Manufacturer), BK Medical, EndoChoice, Fujifilm, Gyirus ACMI (Olympus), ISA, Karl Storz, Olympus, Pentax, Richard Wolf, Stryker, Surgical Technologies, Verathon Medical, Vision Sciences, Welch Allyn, and Xion. The 'CATEGORY' and 'MODEL' dropdowns are closed.

Top Right Panel: The 'BRAND' dropdown is set to 'Olympus'. The 'CATEGORY' dropdown is open, showing a list of endoscope types: Airway Mobilescopes, Bronchoscope, Choledochoscope, Colonoscope, Cystoscope, Duodenoscope, Enteroscope, Esophageal, Gastroscope, Hysteroscope, Laryngoscope, Pleuroscope, Rhinolaryngoscope, Rigid Cystoscope & Obturator, Sigmoidoscope, Ultrasound Bronchoscope, and Ultrasound Duodenoscope. The 'MODEL' dropdown is closed.

Bottom Left Panel: The 'BRAND' dropdown is set to 'Olympus'. The 'CATEGORY' dropdown is set to 'Gastroscope'. The 'MODEL' dropdown is open, showing a list of specific endoscope models: 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. The 'GIF-Q160' model is highlighted.

Bottom Right Panel: The 'BRAND' dropdown is set to 'Olympus'. The 'CATEGORY' dropdown is set to 'Gastroscope'. The 'MODEL' dropdown is set to 'GIF-Q165'. The 'DATABASE' section displays 'DATABASE VERSION: 1.2'. The 'GIF-Q165' model is highlighted.

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

MEDIVATORS® ISA®
 Fieldservice Representative

LEAK TEST

PRESSURE	240
DELTA	50
CONTROL TIME	30
LOADING CYCLE	3
MINIMUM TIME	0
ALCOHOL	
QUANTITY	
TIME	
TIMEOUT	
BACK	

CHANNELS

	P MIN	P MAX	ORDER	SEL		
C1-SOLUTION	10	340	1	X		
C2-AIR 1	10	550	2	X		
C3-WATER	10	550	2	X		
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	ORDER	SEL
C7-AUX	0	0	0	0	0	X

GRAPHIC

HISTORY

AUTOCALIBRATION

MENU

SAVE

Consider this page divided by 4 section:

LEAK TEST

LEAK TEST	
PRESSURE	240
DELTA	50
CONTROL TIME	30
LOADING CYCLE	3
MINIMUM TIME	0

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

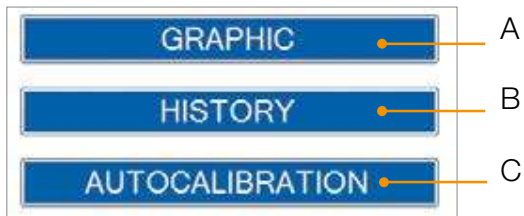
CHANNELS PARAMENTS

CHANNELS						
	P.MIN	P.MAX	ORDER	SEL		
SUCTION	10	290	3	X		
JET/AUX	10	550	2	X		
WATER	10	300	2	X		
AIR	10	550	2	X		
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

- 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

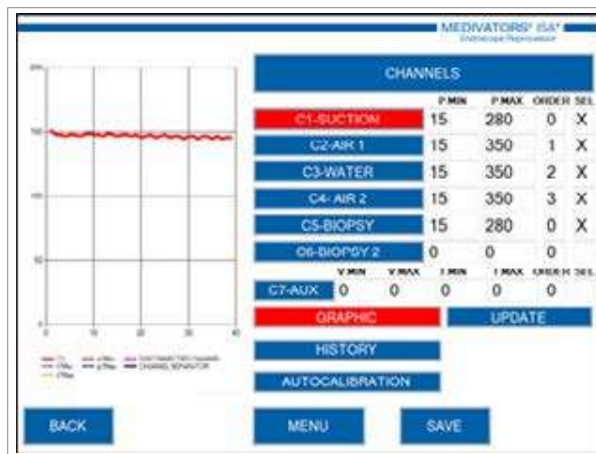
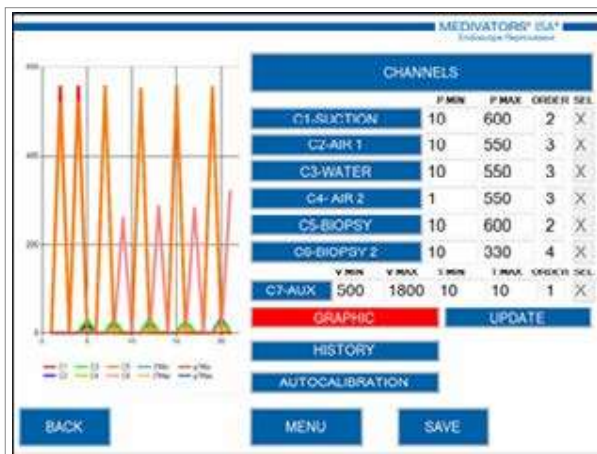


These functions, which will be detailed in the relevant chapter, are used for flow calibration of the endoscope channels.

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:

