

SECULIFE | IF+ Infusion Pump Analyzer

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SECULIFE IF+ for functional testing
of infusion pumps

- Simultaneous operation of two chambers
- $\pm 1\%$ of reading flow accuracy
- Digital calibration – no pots to turn
- Large graphics display with cursor selection
- Easy to use and clean
- Auto chamber recognition



Specification

Der SECULIFE IF+ is designed to test the flow rates of intravenous infusion pumps to ensure their correct operation.

Infrared sensors are used to detect the presence of liquid in the chamber. There are two sensors in each chamber. As liquid is detected at the bottom sensor, an internal timer is started. The timer runs internally in hundredths of seconds but is only displayed in tenths of seconds. The test automatically ends when liquid is detected at the top sensor. A buzzer will sound to indicate that the test is complete. The buzzer can be programmed to sound for a specific number of beeps (0-15 beeps, see setup).

Measuring principle

The measuring principle is based on a volumetric principle, in which a measuring chamber is alternately, periodically filled and emptied. From the time intervals to fill the measuring chamber, the feed rate is determined with an accuracy of $\pm 1\%$ in the measurement range of 0 to 999.9 mL/h and 0 to 9999 mL/h. After each filling of the measuring chamber, a new arithmetic mean value is shown.

The measurement time corresponds to the entered measurement time in the selected test step. To ensure the 1% of the measured value, a minimum volume of 3.5 mL and 35 mL of measuring liquid must have been raised.



Purchase parts

- 1 Luer Lock hose set
- 1 Sealing plug

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Infusion Pump Analyzer

Technical Data

Device:

	SECULIFE IF+	Chambers
Display	LCD graphic 128 x 64 pixel	
Construction	18 x 10 x 4 cm/ABS Plastik	35.6 x 12.7 x 8.9 cm/ ABS Plastik
Weight	0,45 kg	≤ 2.2 lbs (1 kg)
Face Plate	Lexan/Back printed	
Operating Range	0 to 50 °C	0 to 50 °C
Storage Range	-40 to 60 °C	-40 to 60 °C
Power	Battery: 9 V Alkaline Power supply: Optional AC	8 pin Mini Din Male to 8 Mini Din Male Straight Through

Measuring:

	SECULIFE IF+	3,5 ml und 35 ml Chambers
Flow Range 3.5 mL Chamber	0.0 to 999.9 mL/h	0.0 to 999,9 mL/h
Flow Range 35 mL Chamber	15.0 to 9999.9 mL/h	15.0 to 9999,9 mL/h
Flow resolution	0.1 mL/h	0.1 mL/h
Flow accuracy	+/- 1% RDG, +/- LSD	+/- 1% RDG, +/- LSD
Time resolution internal	0.01 seconds	

Ordering information

Description	Type	Order number
Infusion Pump Analyzer	SECULIFE IF+	M695D

For more information on accessories, see

- www.gossenmetrawatt.com