

IDA-1S One-Channel Infusion Device Analyzer

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Technical Data

Ensure infusion pumps are tested accurately and quickly with real time results using the IDA-1S One-Channel Infusion Device Analyzer, the newest member of the Fluke Biomedical IDA family. The IDA-1S is a portable, battery-operated instrument that allows for speedy verification of infusion device performance.

The IDA-1S measures the flow rate and volume delivered, and the pressure generated in occlusions or blockages of the fluid line. The IDA-1S is based on sophisticated measurement technology trusted by biomedical professionals around the world. It is easy to set up and requires little or no training to use. The IDA-1S can be used to test a wide variety of infusion pumps and an auto-start feature simplifies syringe pump testing and other tests that have long startup times.

Key features:

- Integrated carrying handle and lightweight (2.7 lb) for easy portability
- Battery powered with up to 10 hours of continuous operation for on-the-go operation
- LCD touch screen for ease of use
- Average and instantaneous flow measurement
- Occlusion pressure measurements to 45 psi
- Maximize accuracy with Autostart mode enabling unit to begin testing only when fluid is detected
- Compatible with a wide variety of infusion pumps
- Based on technology that is proven and trusted worldwide
- On-board memory allows test results storage instantly
- Hydrograph graphical software to control unit, display results and print results via PC
- Global sales, service and support



Technical specifications

Technique Flow is calculated by measuring volume over time Range 0.5 m/h to 1000 m/h Accuracy 1% of reading ± 1 LSD for flows of 16 m/h to 200 m/h for volumes over 20 ml: otherwise 2% of reading ± 1 LSD for volumes over 10 ml under laboratory conditions Max test duration 10 hours on battery Volume measurement Volume is measured directly by the measuring module in minimum sample sizes of 60 µl Range 0.06 ml to 999 ml Accuracy 1% of reading ± 1 LSD for flow rates of 16 m/h to 200 m/h for volumes over 20 ml. Otherwise 2% of reading ± 1 LSD for volumes over 10 ml under laboratory conditions Max test duration 10 hours on battery Pressure measurement Teschique (Occlusion test) Direct measurement of pressure at the inlet port Range Accuracy 1 % of Full Scale ± 1 LSD mode laboratory conditions Max test duration 30 minutes General specifications Test results stored for later viewing, printing or transfer to PC. Typical practical capacity: 100 tests Power down The results of tests in progress will be saved in the case of accidental power down Computer control The Product can be fully controlled from a PC using HydroGraph V3 software for IDA-1S Battery power 4 x Panasonic HHR210AB Mih 2000 mAh batteries	Flow rate measurement	
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Electromagnetic compatibility Applies to use in Korea only. Class A: Equipment (Industrial Broadcasting and	Emissions classification	conductively coupled radio-frequency energy which is necessary for the internal functioning of the equipment itself. Class A equipment is suitable for use in nondomestic locations and/or directly connected to a low-voltage power supply network
	FCC	CFR47: Class A Part 15 subpart B
	Electromagnetic compatibility	

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.



Ordering information

Models/descriptions

IDA-1S

One-Channel Infusion Device Analyzer

Standard accessories for PN 4468525

IDA-1S Hydrograph	Hydrograph Software and IDA-1S Users Manual
IDA-1S Syringe	20 ml syringe
IDA-1S Luerlock	3-way Luerlock plastic stop-cock
IDA-1S Drain Tube	Drain tube (1 m)
IDA-1S Solution	Micro-90 solution (250 ml)
IDA-1S USB Cable	USB data transfer cable
IDA-1S Adapters	Country-specific adapters
IDA-1S Battery charger	Power Supply

Fluke Biomedical Regulatory Commitment As a medical test device manufacturer, we recognize and follow certain quality standards and certifications when developing our products. We are ISO 9001 and ISO 13485 medical device certified and our products are: • CE Certified, where required • NIST Traceable and Calibrated • UL, CSA, ETL Certified, where required • NRC Compliant, where required

Fluke Biomedical.

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