

FluidLink i400

Intelligent Laboratory Pump

Features & Benefits

- Speed control & turndown ratio: 0.01 – 400 tr/min; 40 000: 1
- Programmable Delivery Routines
- Instant «Go-To Flow Rate»
- Stored Tubing Calibrations in 5 points
- Seamless Scale Integration
- Mixed-Mode Operation: Attended, Industrial and Remote
- Industrial Networking
- Remote Control via a secure web browser connection to the FLUIDLINK® Cloud
- Software Updates



Multilingual support available

Powerful, flexible & intuitive

The i400 combines a feature-rich touch screen with unmatched functionality in a compact size, and delivers the ultimate fluid delivery solution for biotech automation.



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Intelligent Laboratory Pump

PERFORMANCE

Speed Control

0.01 - 400 rpm (± 0.5 % FS)
with 0.01 rpm resolution

Turndown Ratio

40 000: 1

Flow Rates

0.005 to 350 mL/min at 30 psi
(2 bar)

Min. Dose Amount

0.1 mL (± 0.005 to ± 0.015 mL
based on tubing bore)

Tubing Size

0.5/1.6 mm to 4.8/1.6 mm
(bore/wall)

MATERIALS OF CONSTRUCTION

Enclosure

TC-890 FR (wipe down 70 %
isopropyl alcohol)

Pump Head

IXEF PEI Grilamid PA 12

Base Feet

Monsanto Santoprene (87 shore A)

COMMUNICATIONS

Modbus RTU

RS-485 (half-duplex) Modbus
App. Protocol Spec. v1.1a

Modbus TCP/IP

ODVA Conformance Tested

EtherNet/IP (Industrial)

ODVA Conformance Tested
(ENetCT Ver A3.5)

FLUIDLINK.IO (Remote)

IEEE 802.3 10BASE-T (DHCP)

Weight Scale

USB (FTDI) RS-232 MT-SICS
Protocol

COMPLIANCE

EMC Directive 2014/30/EU

BS EN 61326-1: 2013

Low Voltage Dir. (LVD) 2014/35/EU

IBS EN 61010-1: 2010

Machinery Directive 2006/42/EC

BS EN ISO 12100: 2010

RoHS Directive

RoHS compliant (2011/65/EU)

MECHANICAL

Dims (L x W x H)

10.1"x 4.1" x 9.0"
(25.5 x 10.2 x 22.8 cm)

Weight

1660 grams (3.67 pounds)

Touch Display

272 x 480 TFT/LCD

Ingress Rating

IP33 / NEMA 2 - indoor use

Power Supply

24 VDC / 3.0 Amp (from supplied
transformer)

Transformer

Universal input: 100 - 240 VAC
@ 50/60 Hz

OPERATING CONDITIONS

Temperature Range

+5 °C (+41 °F) to +40 °C (+104 °F)

Humidity

Up to 90 % rel. humidity
non-condensing



Warranty 24 months