etraflou

metr

# Non-invasive PFAultrasonic flow meter

## **General Information**

Metraflow Non-invasive flow meter for challenging liquids.

- Straight through construction.
- Patented ultrasonic technology. •
- No dead areas or obstructions.
- PFA flow tube
- High accuracy time of flight measurement system
- Linearity 0.5% FSD (±1% reading isothermal) ٠
- Repeatability ±0.1% plus ±0.02% FSD
- Wide flow range
- Compact body with built in display
- Free from ion contamination

#### Ideal for

- Semiconductor
- Pharmaceutical
- Medical
- Aggressive chemical metering
- Pilot plant

### Description

The Metraflow through flow flowmeter uses Titan's patented transit time ultrasonic technology to accurately measure liquid travelling through a PFA flow tube. The compact integrated electronic, display and sensor package offers superior performance in a single assembly. Computer and operational connections are separate, permitting setting and interface monitoring during normal operation. The units, time base, set points and analogue and digital outputs can all be set through the USB connector and meter interface software. Other parameters such as minimum flow cut-off, computer based data logging, display/output filtration and a negative flow flag can also be configured through this port.



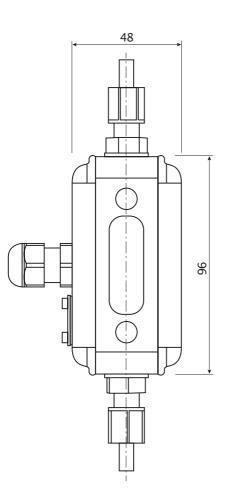
Intercontrol

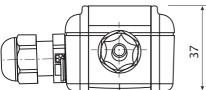
IJsselburcht 26 6825 BP Arnhem Tel. +31 (0) 26 4425 204

info@intercontrol.eu

# metraflou

Toohr	ical Spa	cification
	1/8" tube	20 to 1000 ml/min
Flow range	1/8 tube 1/4" tube	100 to 5000 ml/min
Linearity		(* ±1% reading)
,	PFA Tube; FDA Approved	
Repeatability	±0.1% plus ±0.02% FSD	
Max temp	60°C	
Working Pressure		7.7bar(g)@25°C; 20.8bar(g)@60°C
WORKING Pressure	1/4" tube 16.7bar(g)@25°C; 12.6bar(g)@60°C	
Display	6 digit LCD configurable with annunciators	
Outputs	Configurable	2 X "NPN" NFET input or output
		1 X "PNP" PFET input or output 4 to 20mA
		0 to 5/10V dc
USB	Interface and	d programming connection (Mini B)
Configurable	Rate and/or Total	
	Units	
	Time base	
	High/low flow alarms with hysteresis	
	Analogue outputs (4 - 20 mA, 0 - 5/10V)	
	Pulse output up to 10kHz	
Power Supply	12 to 24V dc	
	USB 5V with limited functionality	
Connections	Fluid	300mm tube tails
	Electrical	Via 8 way cable and/or USB
Order codes	1/8" tube	240-020
	1/4" tube	240-025





\* ±1% Reading in isothermal conditions

1 Itan

#### TITAN ENTERPRISES LTD.

Coldharbour Business Park, Sherborne, Dorset DT9 4JW. UK Phone: +44 (0)1935 812790 Fax: +44 (0)1935 812890 Email: sales@flowmeters.co.uk www.flowmeters.co.uk