



Figure 1 Mecon Variable Area Meter TM Trogflux

Application

The TM Trogflux variable area meters are used to measure the volume of transparent liquids and gases passing through closed piping. The variable area meters can also be used for flow monitoring if they are equipped with one or more switching contacts. Standard scales are available for liquids with a density of 1 kg/l (62.43 lbs/cu.ft). The scales must be recalculated for all other media depending on the physical characteristics.

- Potable water preparation
- Plastering machines
- Cooling water measuring devices
- Filter control installations
- Gas insert measurement

Special Features

- Product scales for liquids and gases
- Simple assembly and handling
- Reasonable plastic design
- Short delivery times for standard versions.

Design and Operation

The main components of the TM Trogflux variable area meters are the plastic variable-area flow tube with float and the connection parts. The flow is displayed directly on the scale present on the flow tube (e.g. in l/h) and is read at the position of the float's widest diameter.

TM Trogflux (Variable area flow meter)		
Liquids	min.	12.5 - 125 l/h
	max.	8 - 25 m ³ /h
	min.	0.05 - 0.55 USgpm
	max.	35 - 110 USgpm
		transparent
Air/Gases	min.	200 - 2,000 l/h
	max.	140 - 430 m ³ /h
	min.	0.88 - 8.81 USgpm
	max.	616 - 1,893 USgpm
Pressure	max.	10 bar, 145 psi
Temperature	max.	90 °C, 196 °F
Accuracy		Class 2.5
Installation position		Vertical
Flow direction		Vertically upwards
Connections		G ¼ - 2
		Adhesive busing 20 mm - 63 mm
		NPT ¼" - 2"
Accessories		Switching contacts
PED 97/23/EC	Cat.	Art. 3.3 (gases fluid group 2, liquids group 1)

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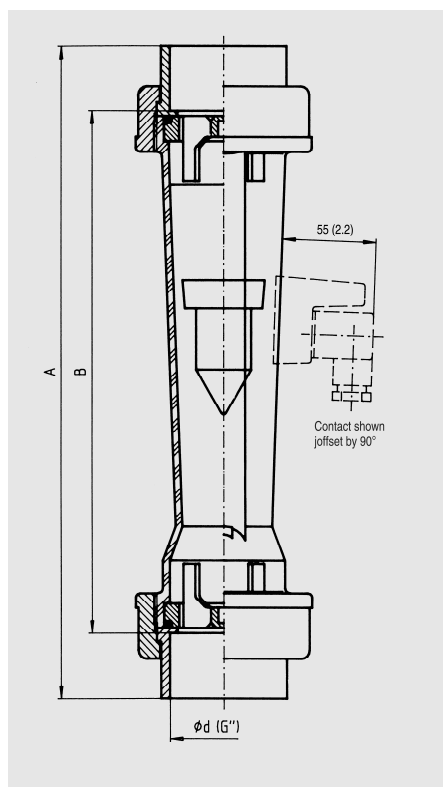


Figure 2 TM Trogflux, dimensions in mm (inches)

Please contact sales@tecmara.de for further information to this product.