Variable Area Meter
TM TUBUX

Figure 1 Mecon Variable Area Meter TM Tubux

Application

The TM Tubux 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.

The flow tube is also optionally available with a percentage or 2-mm (0.078 inch) scale.

Special Features

Product scales for liquids and gases

- Robust versions in various materials
- Resistance to chemicals
- Accuracy class 1.6
- Can be used for high pressures and temperature
- Scales for fluids and gases
- Protected flow tube in housing
- Short delivery times for standard versions.

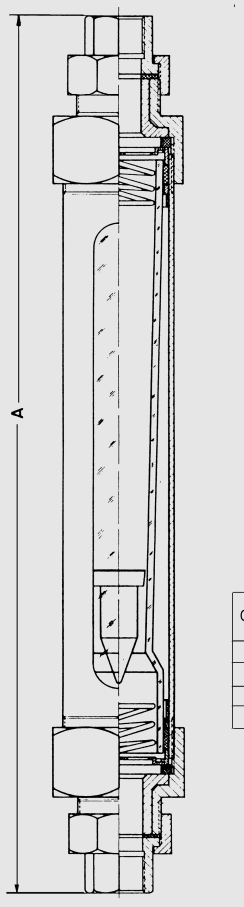
Design and Operation

The main components of the TM Tubux variable area meters are the glass variable-area flow tube with float, the fitting 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.

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

Technical Data

TM Tubux (Variable area flow meter)		
Liquids	min.	0.1 - 1 l/h
	max.	2.5 - 25 m³/h
	min.	0.0004 – 0.0044 USgpm
	max.	11 - 110 USgpm
		Transparent
Air/Gases	min.	1.6 -16 l/h
	max.	40 - 400 m³/h
	min.	0.007 – 0.070 USgpm
	max.	176 – 1,761 USgpm
Pressure	max.	10 bar, 145 psi
Temperature	max.	150 °C, 302 °F
Accuracy		Class 1.6
Installation position		vertical
Flow direction		vertically upwards
Connections		G ¼ - 3
		NPT ¼ " - 3"
Accessories		Switching contacts
PED 97/23/EC	Cat.	Art. 3.3 (≤ DN25; G ¼) I (> DN 25; G1 ¼)



Connection	A [mm] ± 4 mm (A [inch] ± 0.16 inch)
G½	405 (15.94)
G1	435 (17.13)
G2	455 (17.91)
G3	470 (18.50)

Figure 2 TM Tubux, dimensions in mm (inches)