


# ROTAMETER OR MASS FLOW METER?

## Variable area flowmeter or high-precision mass flow meter: The user determines the device

Variable area flowmeters for plant and apparatus construction are just as popular as ever. The numerous advantages in daily practice are convincing: cost-effective purchase, simple installation and handling, maintenance-free and independent operation.

Certain applications require measurement accuracy, with respect to temperature and pressure independence, which cannot be achieved with conventional variable area flowmeters. This is where the 'red-y compact' thermal mass flow meters come into their own.

Alongside the advantages of the variable area flowmeters, the devices offer extremely precise and rapid measurement with digital CMOS sensors and run independent of mains electricity thanks to battery power.

Measuring principle	Floating-body	Thermal Mass Flow
		
	<b>Reasonable &amp; secure</b>	<b>Digital Comfort</b>
<b>Media</b>	Gases & Liquids	Gases
<b>Accuracy</b>	+/- 4% of full scale	+/- 1% of full scale
<b>Turndown ratio</b>	1 : 10	1 : 50
<b>Measuring Ranges</b>	2 mln/min – 450 ln/min	1 mln/min – 300 ln/min
<b>Pressure insens.</b>	NO	YES
<b>Temp. insens.</b>	NO	YES
<b>Scale</b>	Direct reading or mm scale	Direct reading
<b>Calibration</b>	Air/Water	Real gas
<b>Manual Valve</b>	YES	YES
<b>Totalizer</b>	NO	YES
<b>Alarmfunctions</b>	With limit indicator (Relay)	Integrated
<b>Display of reading</b>	Float in measuring glass	LC-Display
<b>Mounting position</b>	Vertical	Any position
<b>Supply</b>	Mechanical Device	Battery or 24 Vdc
<b>Material</b>	Aluminium or stainless steel	Aluminium or stainless steel
<b>Seals</b>	FKM or EPDM	FKM or EPDM

