

Technical specifications

Model	Portasonic® 2.FL0
Dimensions	Height: 220mm
	Width: 85mm
	Depth: 33mm
	Weight: 434g
Pipe Diameter Range	Standard Sensor (Model No. DM10): DN15 – DN 700 (1/2" – 28")
	Large Sensor (Model No. DS10): DN25 – DN2500 (1" – 98")
	Works on a large variety of pipe materials (built-in database over 12+ materials)
Accuracy	+/- 0.5% of measured value under ideal conditions
Flow Velocity	0.01m/s – 25 m/s
Resolution	0.25 mm/s
Repeatability	0.15% of measured value
Turn down ratio	1/100
Measurement Rate	1 Hz as standard
Measurement Units	Flow Velocity, Volumetric Flow Rate, Mass Flow Rate, Energy Flow Rate (Heat Quantity), Volume, Mass, Energy
Display	Full 128 x 68 pixel graphics with backlight
Additional Features	Integrated thickness gauging functionality, measures 2mm – 20mm range
	Signal oscilloscope for sensor positioning and diagnostics
Power Supply	9V PP3 battery, up to 12 hours continuous use
Operating Temperature	Main Unit: -10°C to +65°C
	Sensors: -20°C to +150° C
IP Rating	Main Unit: IP 65 enclosure
	Sensors: IP 66
Sensor Dimensions	Standard Model No. DM10: 40mm (L) x 20mm (W) x 25mm (D)
	Large Model No. DS10: 60mm (L) x 30mm (W) x 35mm (D)
Sensor Material	Housing: Stainless Steel
	Front Face: PEEK (Polyetheretherketone)
Cable Length	1.5m as standard (additional lengths available upon request)