

IMP Lite

Technical Specification



PHYSICAL:

Dimensions:	175mm (6.9in) overall height x 130mm (5.12in) diameter
Cable Entry:	2 off 16mm (0.63in) cable glands 3.5-10mm (0.14-0.39in) cable dia
Mounting:	1.5" (3m/10ft) and 6m/20ft) range versions), 2" (10m/33ft version) universal thread - suits BSP and NPT, parallel and tapered
Weight:	Approximately 1kg (2.2lbs)

ENVIRONMENTAL:

Temp. range (process):	-40°C to +80°C (-40°F to +176°F)
Temp. range (ambient):	-20°C to +65°C (-4°F to +149°F)
IP Rating:	IP67

VARIANTS:

IMP3

Beam Angle (-3dB half power):	<10° inclusive
Operating Frequency:	125kHz
Measurement Range:	0.2-3m (0.66ft-10ft)

IMP6

Beam Angle (-3dB half power):	<10° inclusive
Operating Frequency:	75kHz
Measurement Range:	0.3m-6m (0.98ft - 20ft)

IMP10

Beam Angle (-3dB half power):	<10° inclusive
Operating Frequency:	41kHz
Measurement Range:	0.3m-10m (0.98ft-33ft)

PERFORMANCE:

Input Voltage:	11-30V, 3.5 - 22mA
Accuracy:	±0.25% or 6mm/0.24in (whichever is greater)
Resolution:	± 0.1% or 2mm/0.08in (whichever is greater)
4-20mA Outputs:	Resolution 5µA (both active and passive outputs)
Temperature Compensation:	Via internal temperature sensor (±0.5°C accuracy). Level and volume conversion are installed allowing linearisation for tank shapes
2-wire Configuration:	RS232 (RJ11 port) connection for diagnostics and software updates 4 digit LCD display 4 button keypad for parameter entry Power consumption: 3.5 - 22mA Passive 4-20mA output No flammable atmosphere approval
PC Interface-PC Suite:	All parameters can be accessed and changed through PC Suite software. Echo traces may be viewed on screen.