

IMP LITE

Technical Specifications:

IMP Lite can be used wherever you need reliable, non-contacting, ultrasonic level measurement. Digital echo processing means IMP Lite is perfect for slurries or liquids and anywhere you need a display telling you the level, or an analog output to interface with your site control system or drive a display. The full IMP range is available with the wetted parts in PVDF build alternative for corrosive or aggressive applications.



PHYSICAL

Controller Body Dimensions:	175 mm H x 130 mm D (6.9 in x 5.1 in)
Weight:	Approximately 1 kg (2.2 lb)
Cable Entry Detail:	2 off 16 mm (0.63 in) cable glands 3.5 mm to 10 mm (0.14 in to 0.4 in) cable diameter
Mounting:	1.5 in (3 m (9.8 ft) and 6 m (2 ft) range versions), 2 in (10 m (32.8 ft) version) universal thread — suits BSP and NPT, parallel and tapered

ENVIRONMENTAL

IP Rating:	IP67
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)

IMP3

Beam Angle (-3dB Half Power):	<10° inclusive
Operating Frequency:	125 kHz
Measurement Range:	200 mm to 3 m (7.9 in to 9.8 ft)

IMP6

Beam Angle (-3dB Half Power):	<10° inclusive
Operating Frequency:	75 kHz
Measurement Range:	300 mm to 6 m (11.8 in to 19.7 ft)

IMP10

Beam Angle (-3dB Half Power):	<10° inclusive
Operating Frequency:	41 kHz
Measurement Range:	300 mm to 10 m (11.8 in to 32.8 ft)

PERFORMANCE

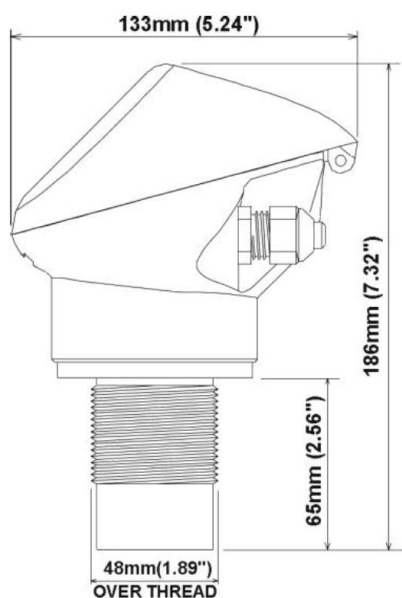
Input Voltage:	11-30 V, 3.5-22mA
Accuracy:	±0.25% or 6 mm (0.2 in), <i>whichever is greater</i>
Resolution:	±0.1% or 2 mm (0.08 in), <i>whichever is greater</i>
4-20mA Outputs:	Resolution 5 µA, both active and passive outputs
Temperature Compensation:	Via internal temperature sensor, ±0.5 °C (32.9 °F) accuracy. Level and volume conversion are installed allowing linearization for tank shapes

2-wire Configuration:

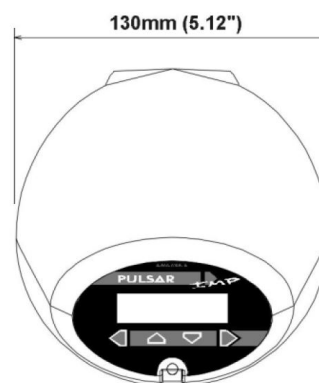
RS232 (RJ11 port) connection for diagnostics and software updates
4-digit LCD display
4 button keypad for parameter entry
Power consumption: 3.5-22mA
Passive 4-20mA output
No flammable atmosphere approval

PC Interface-PC Suite:

All parameters can be accessed and changed through PC Suite software. Echo traces may be viewed on-screen.



IMP drawing side



IMP drawing top

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Pulsar Measurement offers worldwide professional support for all of our products, and our network of global partners all offer full support and training. Our facilities in Malvern, UK and Largo, USA are home to technical support teams who are always available to answer your call or attend your site when required. Our global presence, with direct offices in the UK, USA, Canada, and Malaysia, allows us to create close relationships with our customers and provide service, support, training, and information throughout the lifetime of your product.

For more information, please visit our website:

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