

Lower-cost alternative to IMP+ for level measurement

IMP Lite can be used wherever you need reliable non-contacting ultrasonic level measurement and digital echo processing means IMP Lite is perfect for slurries or liquids and anywhere you need a display telling you the level, or an analogue 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.

Compact and low-profile

When used on battery power for intermittent (wake-up) applications, IMP Lite's high speed boot up of circa 3 seconds maximises battery life. For example, if an IMP Lite were switched on every 15 minutes for a 3 second reading, average current is a mere 40µA. Active and passive (sourcing and sinking) analogue outputs assist with system integration, especially when retro-fitting into older installations.



IMP Lite



INSIDE OF IMP LITE
SHOWING RJ11 PORT

Inside of IMP Lite

	IMP lite		
	IMP 3	IMP 6	IMP 10
PHYSICAL:			
Beam Angle(-3dB half Power)	<10° inclusive	<10° inclusive	<10° inclusive
Operating Frequency	125kHz	75kHz	41kHz
Measurement range	0.2m - 3m (0.66ft - 10ft)	0.3m - 6m (0.98ft - 20ft)	0.3m - 10m (0.98ft - 33ft)
Dimensions:	175mm overall height x 130mm diameter		
Cable entry:	2 off 16mm cable glands 3.5-10mm cable dia		
Mounting:	1.5" (3m/10ft) and 6m/20ft) range versions), 2"(10m/33ft version) universal thread - suits BSP an NPT, parallel and tapered		
Weight:	Approximately 1kg		
CE Approval:	EC Declaration of Conformity in the manual		
ENVIRONMENTAL:			
Temp. range (process):	-40°C to +80°C		
Temp. range (ambient):	-20°C to +65°C		
IP Rating:	IP67		
PERFORMANCE:			
Input voltage range:	11 - 30V, 3.5 - 22mA		
Accuracy:	±0.25% or 6mm (whichever is greater)		
Resolution:	± 0.1% or 2mm (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 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 thru PC Suite software Echo traces may be viewed on screen.		