

Compact and low-profile

IMP+ can be used wherever you need reliable non-contacting ultrasonic level measurement and digital echo processing means IMP+ 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

There is an IMP+ ultrasonic level sensor to suit your application, 3m, 6m and 10m range versions are available and each can be wired for 2-wire and 3-wire operation. IMP+ features an LCD display and digital temperature measurement and compensation. IMP+ also has 2 relay outputs as standard.



	IMP+		
	IMP 3	IMP 6	IMP 10
VARIANTS:			
Measurement range:	0.2 - 3m	0.3 - 6m	0.3 - 10m
Operating frequency:	125kHz	75kHz	41kHz
Beam angle (-3dB half power):	<10° inclusive	<10° inclusive	<10° inclusive
PHYSICAL:			
Dimensions:	186mm ø height x 133mm ø diameter		
Cable entry:	2 off cable glands 4.5 -10mm (Torque to 2NM)		
Mounting:	1.5" BSP/NPT (IMP3 & IMP6), 2" BSP/NPT (IMP10)		
Weight:	Nominal 1kg		
APPROVALS:			
CE Approval:	Listed in the Certificate of Conformity within the manual		
ENVIRONMENTAL:			
Enclosure protection:	IP67		
Temp. range (ambient):	-40°C to +65°C		
Temp. range (process):	-40°C to +80°C		
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		
PC Interface PC Suite:	All parameters can be accessed and changed thru PC Suite software. Echo traces may be viewed on screen.		
2-WIRE CONFIGURATION FEATURES:		3-WIRE CONFIGURATION FEATURES:	
RS232 (RJ11 port) connection for diagnostics and software updates		All 2-wire version features plus:	
4 digit LCD display		Backlit LCD display	
4 button keypad for parameter entry		0-10V analogue output	
Power consumption: 3.5 - 22mA		2 relays: single pole two way, 1A 30VDC/AC	
Passive 4-20mA output		Power consumption with relays energised <60mA (less 12mA/relay not energised)	
		Active and passive 4-20mA outputs	