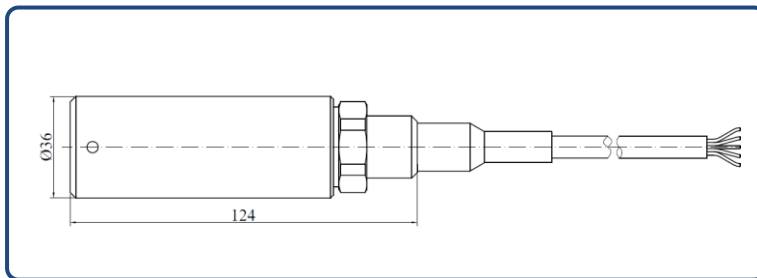


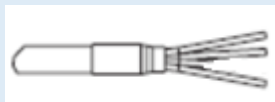
LLPT-1000 Range	Applications
	○ Water ○ Wastewater ○ Seawater ○ Various Chemicals ● Water and wastewater services ● Mining ● Power generation ● Environmental monitoring
Description	Features
LLPT-1000 Range of Level Transmitters are designed specifically for harsh environments such as wastewater. It combines a high-performance ceramic pressure sensor with PTFE housing to deliver unmatched performance in extreme conditions, ensuring long-lasting accuracy with minimal maintenance. The ceramic faced pressure sensor was developed to overcome clogging issues associated with metal diaphragm pressure sensors in wastewater. It is also widely used in various industrial applications for liquid level measurement of water, seawater and other liquids.	○ Piezo-resistive ceramic pressure sensor ○ 12 – 30V DC Supply ○ 4-20mA Output ○ Accuracy: $\pm 0.5\%$ F.S. ○ Measurement ranges 0 – 3m to 0 – 100m ○ Polyurethane cable with vent tube ○ Various cable lengths, minimum 5m ○ 2 Year Warranty ○ Approvals – UKCA, CE

Specifications

Range	From 0-3m to 0-100m (0-5m most popular)
Overload Pressure	150% F.S.
Destructive Pressure	200% F.S.
Accuracy @ 25°C	±0.5% F.S. (include linearity, hysteresis, repeatability, and calibration error)
Long-term Stability	±0.5 %F.S/year
Response Time	(10% ~ 90%)≤10ms
Operating Temperature	-15°C~85°C (unfrozen medium only)
Storage Temperature	-40°C~100°C
Output Signal	4 ~ 20mA
Supply Voltage	12 ~ 30VDC
Output Load	$\leq (U - 12) / 0.025 \Omega$; (MAX: 600Ω)
Overvoltage	32VDC
Reverse Voltage	-30VDC
Insulate Resistance	≥100MΩ@100VDC
Insulate Intensity	100VDC@1min (no arc or breakdown)
ESD	Contact: ±4kV, Air: ±8kV
EMC	10V/m (80MHz~1GHz)
IP Rating	IP68
Random Vibration	10g, 5~2000Hz
Shock	X/Y/Z 20g,11ms, half-sine
Pressure Connector	N/A Embedded
Connector Material	Polytetrafluoroethylene
Cable Material	Polyurethane
Electrical Connections	Integral
Seal Material	Viton

Dimension (mm)



Electrical Connections	Pin	2-wire (4 ~ 20mA)	Wire Colour
		Pin Definition	
	1	Power Supply 12V to 30V DC +	Red
	2	Current Output 4-20mA +	Blue/ Green
	3	Shield 4-20mA - / DC Supply -	Yellow

LLPT-1000

Order Code Suffixes

Code Range of Transmitter

3 0 -3m to 0-100m Depth Range (eg. **3** = 0-3m range)

Code Length of Cable in Metres

5 5, 10, 20 or 30m (eg. **5** = 5m cable) Longer lengths on request

Installation and Maintenance

- Take care when handling and transporting, do not drop. When cleaning use water and a soft brush or cloth only, do not use sharp tools
- Lower carefully into media, if there's sand at the bottom or potential for sediment build up raise it 200mm to 300mm off the bottom
- When connecting into junction box ensure the breather tube isn't pinched, crushed or blocked or lying in water. Also ensure insect infestation isn't possible as insect nests could block the breather tube.
- If pumps are in the same tank / well ensure it is positioned as far from the pumps as reasonably practical >0.7m optimum, if impractical install a baffle plate for protection. Always test with pump running prior to leaving site.
- In high sediment applications such as wastewater clean it approximately every 3 to 6 months depending on the level of contamination. Unscrew the base to clear holes and clean the pressure sensor area with water only.
- In wet wells with large inflow of rags and/or strong turbulence install in a >75mm stilling tube