

PRODUCT FEATURES

LEFOO

LFT3013
CERAMIC PIEZORESISTIVE
LEVEL TRANSMITTER
PRODUCT OPERATION MANUAL

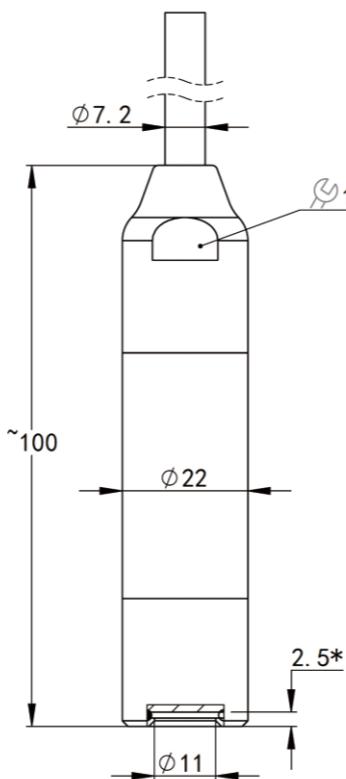


The LFT3013 is a fully sealed, submersible level transmitter that uses a corrosion-resistant ceramic piezoresistive pressure sensor. The probe, immersed in the measured medium, is made of 316L stainless steel or titanium alloy. The vented cable is made of PTFE or polyurethane, making it ideal for: Sewage; Seawater; Other demanding liquid level measurement applications.

The housing is fully welded, and all connection points (housing, cable, etc.) are sealed with multi-layer protection. Internal components are potted to ensure long service life and reliable performance in: Chemical industry; Water treatment; Environmental protection; Pharmaceuticals; Industrial process control.

01

DIMENSION



*This dimension is the distance from the sensing diaphragm to the bottom

SPECIFICATION

Range						
Rated Pressure Range (Gauge, kPa)	50	100	200	500	1000	2000
Minimum Range (Gauge, kPa)	20	60	120	250	500	1000
Overload Pressure(kPa)	100	200	400	1000	1500	3500
Note: Units can be converted to $mH_2O@4^\circ C$, $inH_2O@4^\circ C$, m, mm, etc. For m/mm units, specify the medium's density value.						

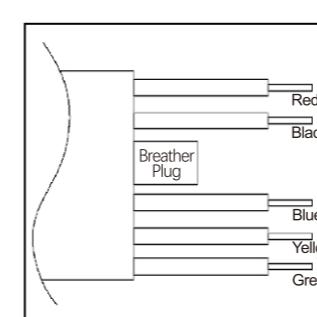
Media	
Media Type	Liquids compatible with wetted materials
Output Signal & Power Supply	
Output Signal & Power Supply	2-wire: 4~20mA / Vs=10~30VDC 2-wire: 4~20mA+HART / Vs=12~32VDC 3-wire: 0~5VDC,etc. / Vs=10~30VDC 4-wire: Modbus-RTU/RS485/Vs=3~8VDC or 10~30VDC

05

ELECTRICAL PROTECTION

Component	Material
Probe Housing	316L Stainless Steel
	Titanium Alloy
Sensor	Ceramic Al_2O_3 96%
	FKM (-20 to 200°C)
O-Ring	FFKM (-25 to 300°C)
	PTFE ($\varnothing 7.2 \pm 0.2$ mm)
Cable	PU ($\varnothing 7.2 \pm 0.2$ mm)

ELECTRICAL CONNECTION

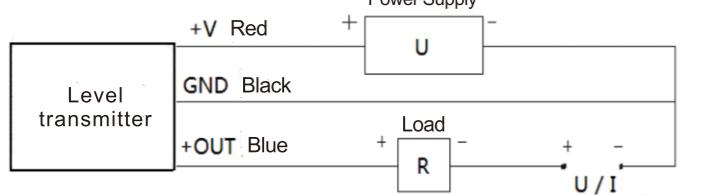
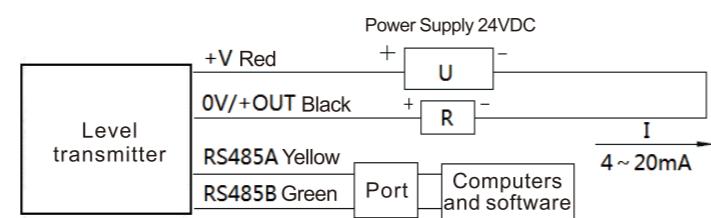
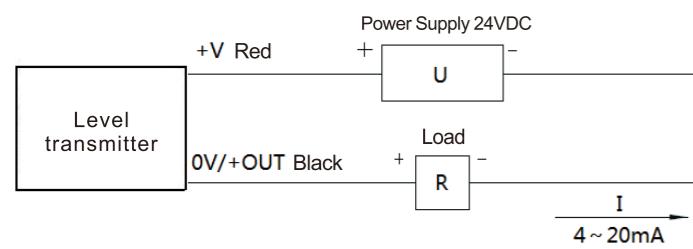


Wire Color	2-Wire 4~20 mA	3-Wire Voltage	Modbus-RTU/RS485
Red	+V (Power)	+V (Power)	+V (Power)
Black	0V / +OUT	GND (Common)	0V
Blue		+OUT (Signal)	
Yellow			RS485-A
Green			RS485-B

⚠ For gauge pressure models, ensure the breather plug remains dry and intact.

04

06



07

08