



JLT

Universal Liquid Transmitter



APPLICATION

- Liquid analysis
- Measurement of pH, ORP, specific ion, dissolved oxygen, turbidity, conductivity, resistivity and chlorine
- Measurement of TDS, TSS, free chlorine and total chlorine with sample preparation system

BENEFITS

- Single or dual channel
- Rugged corrosion resistant 316 Stainless Steel housing
- Flexible communication for all applications with 4 – 20 mA with Modbus RTU or HART® (Rev 7) communication

FEATURES

- Easy navigation by graphic LCD display
- Use with digital intelligent sensors, which are factory calibrated and store data
- Intuitive menu structure



TECHNICAL DATA

MODEL

JLT

Description	single or dual channel universal liquid transmitter for use with JLS liquid sensor
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MEASUREMENT

Measurement inputs	pH, ORP, dissolved oxygen, specific ion, turbidity, conductivity, TDS, TSS, and temperature with sample preparation system: free chlorine, total chlorine
Measurement range(s)	–1...15 pH, –1,500...1,500 mV ORP, 0.1...999.9 ppm pION, 0.1...999.9 ppm DO, 0...4,000 NTU turbidity, 0.055 µS...2.00 S conductivity, –30°...140 °C (–22°...284°F) temperature, 0...20 ppm free chlorine/total chlorine
Accuracy based on use with JLS	pH: 0.02 pH, ORP: ± 1 mV, pION: specific for ion type, DO: 2 % of calibrated range, turbidity: 4 % of calibrated range, conductivity : 2 % of calibrated range, temperature : ± 0.3 °C (32.54 °F), free chlorine/total chlorine: ± 3 % of the references ntest (DPD)
Repeatability	1 % full scale range

OPERATION

Ambient temperature	–20°...70 °C (–4°...158 °F)
Humidity	non condensing 0 – 90 % NC

CONSTRUCTION

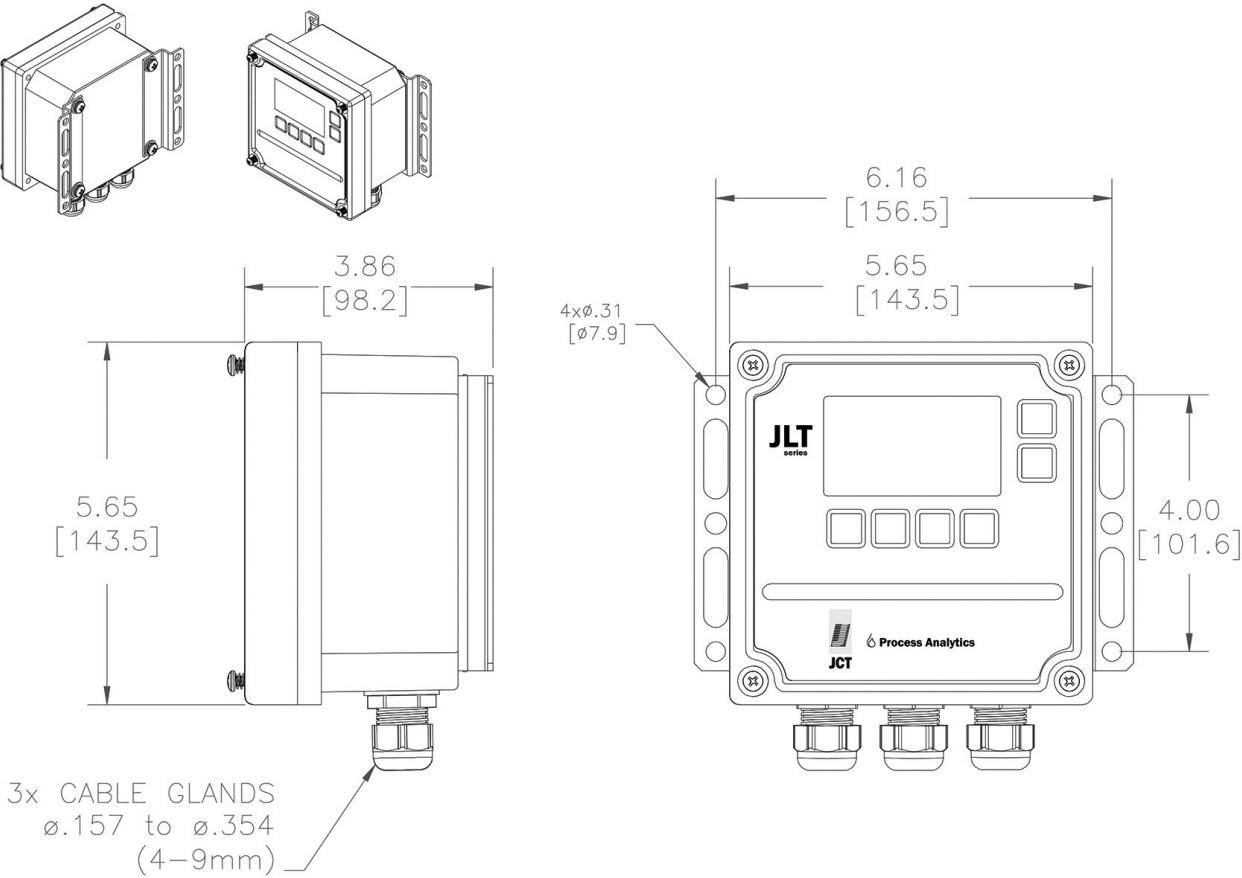
Dimensions (W x H x D)	20.5 x 20.5 x 12.7 cm (8 x 8 x 5 in), (L x W x D) 14.4 x 14.4 x 9.0 cm (5.7 x 5.7 x 3.5 in)
Weight	0.75 kg (1.6 lbs)
Mounting	wall or panel mount
Housing material	polycarbonate
Protection class	IP66 / NEMA 4X
Area classification	safe zone
Approval	CE, FM

ELECTRICS

Power supply and consumption	loop powered, 24 VDC, 600 Ω maximum load (18 – 36 VDC @ 35 mW minimum) or 24 VDC (18 – 36 VDC @ 250 mW minimum) or 100 – 240 VAC, 50/60 Hz, 4 W
Measurement signal output	1 x 4 – 20 mA and Modbus RTU or HART output or 2 x 4-20 mA with Modbus RTU
Relay contacts	optional 3 x relay contact, max. 250 VAC, 3 A; user configureable as high/low or fault alarm
Communication	4 – 20 mA + Modbus RTU, HART® (Rev 7) optional

DIMENSIONAL DRAWING

dimensions in mm



ORDER CODE

Part No.	Description
70.00100	JLT Universal Liquid Transmitter

Available features

[illegible]