AchieVe™ ELT Series Submersible Level Transmitters

Part No. ELT-005-L30

AchieVe Submersible Level Transmitters

The AchieVe ELT series hydrostatic submersible level transmitters provide continuous liquid level measurement by sensing the hydrostatic pressure produced by the height of liquid above the sensor and providing a 4-20 mA output signal compatible with PLCs, panel meters, data loggers, and other electronic equipment.

The AchieVe ELT series is a very economical continuous level sensing solution for water applications where overall small size, weight, and very low cost are required.

Features

- Very economical solution for water applications
- Three full scale ranges from 11.5 to 115.5 feet of water
- 4-20 mA output signal
- 1% Total Error Band accuracy
- Rugged 316L stainless steel construction
- Slim 0.825 inch diameter housing
- Polyethylene jacketed shielded cable with atmospheric vent tube

GREAT DEAL

2 YEAR WARRANTY

CE

AchieVe Economical Submersible Level Transmitters						
Model	***Range***	***Cable Length****	***Diaphragm***	***Price***	***Weight (lbs)***	***Drawing Link***
ELT-005-L30	0–5 psig (11.5 ftWC)	30ft (9.1 m)	Stainless steel diaphragm with polyamide protective cap	$062#0:	1.05	PDF
ELT-015-L60	0–15 psig (34.6 ftWC)	60ft (18.3 m)		$062#1:	1.85	PDF
ELT-050-L140	0–50 psig (115.5 ftWC)	140ft (42.7 m)		$062#2:	4.05	PDF

**** It is required that any excess cable length be accommodated in a service loop and that the cable NOT be shortened as this will void the warranty. If longer transmitter cable is needed, terminate the sensor in an LTACC-5 junction box and run standard non-vented instrumentation cable between the junction box and the measuring electronics.***

See our website www.AutomationDirect.com for complete Engineering drawings.

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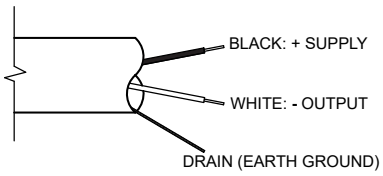
AchieVe Economical Submersible Level Transmitter Technical Specifications	
Total Error Band Accuracy[1]	±1% FS (full scale)
Wetted Materials	316L SS; EPDM (ethylene propylene diene terpolymer); Polyamide, Polyethylene
Compensated Temp. Range	0 to 50°C [32 to 122°F]
Operating Temp. Range	-20 to 60°C [-4 to 140°F]
Protection Rating	IP 68
Supply[2]	8–32 VDC
Load Resistance (Ω)	<(Supply-8V)/0.022A
Output	4–20 mA
Mounting	Vertical
Cable Jacket Material	Polyethylene
Number of Conductors	2 + Drain
Conductor Size	26 AWG
Certifications / Agency Approvals	CE

[1] TEB: Total Error Band; Includes the combined effects of non-linearity, hysteresis and non-repeatability as well as thermal dependencies, over the compensated temperature range.

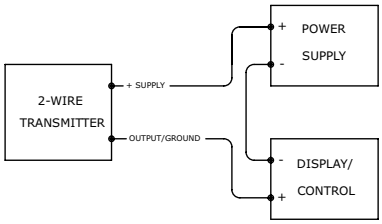
[2] Nominal values may be higher depending upon cable length. Cable loop resistance (~76Ω / 1000ft) adds to the supply requirement. In order to ensure proper system operation, calculate the minimum required supply voltage (at the source) as follows:
MINIMUM SUPPLY VOLTAGE = 8 + 0.022 (CABLE LENGTH x 0.076) VDC

Wiring

Standard 4-20mA



2-Wire Current Loop



For additional information see the AchieVe Economy Submersible Level Transmitter Quick Start Guide by scanning or clicking on the QR code.