

TYPE JLT 900 ELECTRONIC LEVEL TRANSMITTER

ELECTRONIC LEVEL TRANSMITTER

FEATURES

- SIMPLE & PROVEN DESIGN
- RUGGED CONSTRUCTION
- EXPLOSION PROOF ENCLOSURES
- HIGH STABILITY
- HIGH ACCURACY
- EASY CALIBRATION
- YEARS OF TROUBLE FREE OPERATION IN SEVERAL EXISTING INSTALLATIONS



PRINCIPLE OF OPERATION

J R U MODEL JLT 900 Liquid Level Transmitter uses the time tested, field proven float/torque tube/Hall effect Sensor to generate a high accuracy transmitted signal proportional to liquid level. Any change in liquid level varies the displacer weight which in turn makes the torque tube rotate. This rotation is linked to a magnet assembly which modify the magnetic field, proportional to the level. The varying magnetic field proportional to the change in level rate of flow is magnetically coupled to a Hall Effect Sensor which produces a proportional DC Electrical signal. This DC electrical signal is converted into an error – free digital signal and is processed by the on-board micro controller. After processing, the digital signal is converted to a DC 4-20 mA analog output signal which can be connected to a PLC (or) any similar system.

JRU JLT 900 is designed for long life and reliable operation in all industrial environments. JRU has been in the field of process control for more than 25 years. Our Liquid Level Transmitter have been working continuously all kind of extreme conditions. We shall be glad to send our engineers to help you choose the best transmitter for your application.

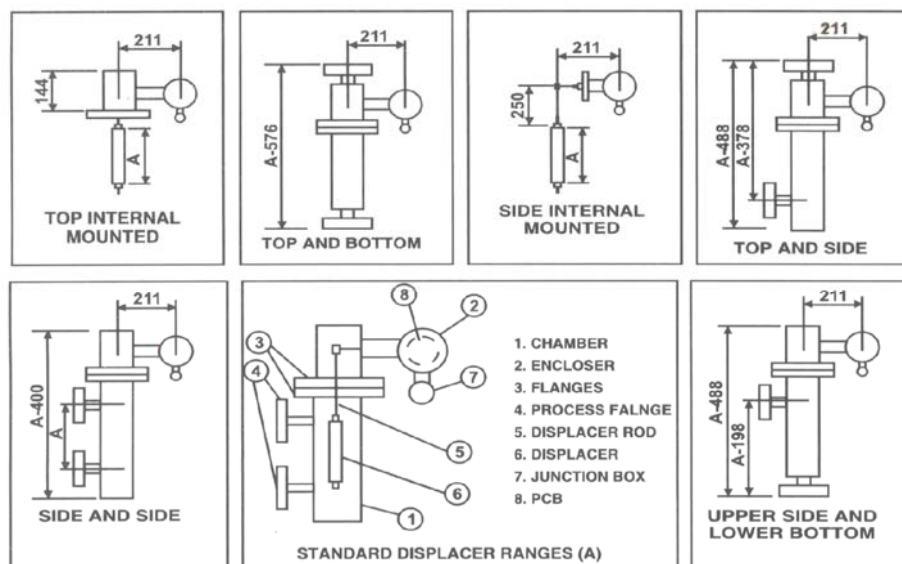
MATERIAL OF CONSTRUCTION

| Part | Standard | Optional |
|-------------------------------|--|------------------------------------|
| Mechanism Chamber | Die-Cast Aluminum Weather Proof – IP55 | Explosion Proof |
| Displacer Chamber | Carbon Steel | SS/316SS/Hastalloy C/B |
| Torque Tube | 316 SS | Inconel 600/Hastalloy C/B Monel |
| Torque Tube Housing | Carbon Steel | 304 SS/316SS/ Hastalloy C/B |
| Displacer | 316SS/304 SS | Teflon / Monel / Hastalloy B/C |
| Displacer Rod (Extension rod) | 316 SS | 304 SS |

BRIEF PROFILE

| | |
|--|--|
| Standard Range : 8" (203mm), 14" (356mm), 32" (813mm), 48" (1220mm), 60" (1524mm), 72" (1829mm), 84" (2134mm), 96" (2349mm) | Accuracy : +/- 0.5% of Span |
| | Dead Band : +/- 0.2% of Span |
| Output : 4 to 20 mA DC, 2 Wire | Repeatability : +/- 0.3% of Span |
| Power Supply : 24 to 40 V DC, 2 Wire | |
| Load Limits : 600 ohms (Max.) | Linearity : +/- 0.2% of Span |
| Ambient Temperature : 0 to 60 Deg C (Standard)/Higher temperature on request | Sensor : Hall effect sensor |
| | Local Indication : Optional |
| Enclosure : Weather Proof (Standard) Explosion Proof (Optional) | Drain & Vent Plug : Provided |
| | Connection : Refer below mounting options. (Please specify Size and Rating) |

MOUNTING OPTIONS



| | | | |
|---------------|----------------|----------------|----------------|
| 8" 203mm | 14" 356 mm | 32" 813 mm | 48" 1220 mm |
| 60" 1524mm | 72" 1829 mm | 84" 2134 mm | 96" 2439 mm |

★ DISPLACER CHAMBER WILL BE PROVIDED UPTO 96"

A BRIEF PROFILE

The company JRU CONTTROL (formerly Placka instruments & control pvt ltd) was started in the year 1984. It is located 25 km from Chennai airport by the main grand trunk road. It has a land area of 2.5 acres with a built-up area of 10,000sq.ft. The products manufactured are Air Filter Regulator, Lubricator, Air Lock-up relay, Volume Booster, Orifice plates, High Flow & Metal Tube Rotameters and Electronic & Pneumatic Level transmitters Displacement Type Level transmitter. The Factory is equipped with all modern testing facilities for inspection, measuring and testing for quality control.. The products are approved by EIL, BHEL, DAE, ONGC, HPCL, BPCL, IPCL, CPCL, BALCO, NALCO, GSFC, NPCL AND many more. We are an ISO 9001:2000 company. We adhere to strict quality systems.

JRU CONTTROL PVT LTD

5C, RAMAMOORTHY STREET, NEHRU NAGAR, CHROMPET, CHENNAI-600044. INDIA
TEL: +91-044-22234642 FAX: +91-044-22236984 E-MAIL: JRUCONTTROL@GMAIL.COM
WWW.JRUCONTTROL.IN

NOTE: SINCE, CONSTANT WORLDWIDE ADVANCEMENT IN TECHNOLOGY WE KEEP OUR RIGHTS RESERVED TO MAKE CHANGES TIME TO TIME IN TECHNICAL SPECIFICATION, UPGRADATION /DELETION OF PRODUCTS AND DIMENSIONS WITHOUT ANY PRIOR NOTICE. JRU CONTTROL HAVE FULL RIGHTS TO THIS DOCUMENT AND SHALL NOT BE COPIED IN FULL OR PART WITHOUT ITS PRIOR INFORMATION.