

Calibration

Transmitter should be calibrated at site with process medium to take into consideration actual value of its

- dielectric constant under operating conditions. Follow the procedure given to calibrate transmitter at site.
- 1. Wire the transmitter as given in fig.2
- 2. Switch on power supply (24VDC) and observe LED glows on and then off.
- Fill tank to minimum level corresponding to o/p of 4mA. Press both Zero and Span keys untill LED is on. Release keys, LED turns off. After some duration, LED turns on and then off. Now transmitter is in calibration mode.
- 4. Press **Zero** key untill LED switch **on** and then **off.** Now transmitter is set for **4mA** which can be confirmed through multimeter.
- 5. Now fill tank upto maximum level corresponding to o/p of **20mA.** Press both **Zero** and **Span** key untill LED is **on**. Release keys, LED turns **off.** After some duration,LED turns **on** and then **off**. Now transmitter is in **calibration mode**.
- 6. Press **Span** key untill LED switch **on** and then **off**. Now transmitter is set for **20mA** which can be confirmed through multimeter.

Now transmitter is calibrated to use under site condition.

Troubleshooting

Iroubleshooting		
Problem	Cause	Remedy
1.Improper output	a.Improper calibration or O/P current improper (non-linear)	a.Recalibrate X'mitter.
	b.Temp, dielectric constant of	b. Check operating conditions
	liquid are out of specification. c. Conductive liquid in fuel/oil.	If required cosult factory. c. Check & remove conductive liquid.
2.No output from X'mitter. or O/P current is more than 20mA.Contineously high level reading.	a.Wiring improper. b.No suppy or improper supply c.Loose process connection.	a.Do wiring as shown in fig.2 b.Give proper supply(from PLC/ DCS,indicator)24VDC.Ensure there is no loose connection c.Recalibrate X'mitter.
3.Output from transmitter is low 4mA.or changes slowly as compaired to level.	a. Wrong calibration b. Probe is not suitable for liquid.	a. Recalibrate it b. Contact factory in case of dought.
4.Variation in output	a. Check wiring	a. Ensure wiring is isolated from power cabels,contactor etc.

Periodic maintainance

- 1. Ensure all terminal screws are kept properly tightened.
- 2. During maintenance period ,switch off the supply.

3. After maintainance, ensure weatherproofness by closing enclosure with its cover and gasket.

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