



CAPACITANCE LEVEL TRANSMITTER JAYCEETRANS – 5000 (2 - Wire Type)

Capacitance Level Transmitter is a compact, low cost, level transmitter with 4-20 mA analogue out-put designed to measure the level Of various liquids, and solid in tanks or storage vessels. Measuring range is 0.2 to 3 m for rod probe version. The probe forms an electrical capacitor with the surrounding metal contained wall, or with auxiliary reference probe. With the vessel empty, an initial capacitances exists between the electrode And the metal wall or the auxiliary reference probe. When the probe become covered with material to be measured the capacitances will increase and the change will be measured and covered into an analogue (4-20 mA) output signal proportional to the change. Rod or flexible cable can be used for various conductive or non conductive Liquids.

LIQUID APPLICATION

Acids, Acetone, Ammonia, Benzene, Feed water, CTC, Diesel, Oils, fruit juice, milk, wine

SOLID APPLICATION

Cement Hoppers, Coke, Corn, Quartz, Food Grains, Sand etc

PROBE SPECIFICATION CHART

Conductive material: Water based solutions. Acids, Bases etc – only insulated probe are suggested.

Non-Conductive material: Mostly petrochemical and solvents – Insulated or non insulated probes can be used

Probe Length /Measuring range	0.2 to 3m (Rod)	1 to 20m (Rope)
Process length / Measuring range	As per Application	
Probe material	Stainless steel rod /Rope insulated partly or fully with PTFE	
Medium temp.	High temp. version : -25° C to + 200°C	Standard version : -25° C to + 100° C Electronics -25° C to +80° C
Output	4 to 20 mA DC Isolated in 600 Ohms	
Accuracy	±2 %	
Supply voltage	24 V DC	
Mounting connection	1 1/2" Standard, others as per request or application.	

Continuous efforts for product development may necessitate changes in specifications without notice

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