

CAPACITIVE LEVEL PROBE

451 MODEL



CAPACITIVE PROBE FOR LEVEL TRANSMISSION AND CONTROL WITH ASSOCIATED ELECTRONIC CONTROLLER, 3-WIRE CONFIGURATION, IN HIGH TEMPERATURE PROCESSES

DESCRIPTION

The capacitive level probe, series 451, is specially designed for liquid level designed to transmit liquid level and work in demanding process, high temperature and pressure conditions.

It measures and transmits level by generating a 4/20 mA signal through a 3-wire loop in tanks and boilers.

TECHNICAL DATA

SENSOR WORKING	Capacitive
PROBE BODY	Stainless steel AISI 303
THREAD	½" GAS
ELECTRIC WIRING	According to DIN 43650-A with PG11 cable gland
ELECTRODE	Stainless steel covering
COVERING	Ø 12mm PTFE
TEMPERATURE	220 °C on the electrode
PRESSURE	22 bar
WEIGHT	1000 gr (for L=500mm)
POWER SUPPLY	24 V dc +/- 10%
ABSORPTION	0.9 VA
OUTPUT	4 ÷ 20 mA, [calibrated, with 3" delayed] Rmax = 250 Ω
PRECISION	0,5% f.s. after calibration at 25°C
PLUG	25mm not-sensitive end, at the bottom
PRODUCT CONTROLLED	Water, liquids
WATER CONDUCTIVITY	≥ 5 µS/cm
AVAILABLE LENGTHS	500 mm y 1000 mm, others upon request

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