CLT4

Capacitive level transmitter

Contact level measurement
Threaded and sanitary connections
Suitable for measuring of liquids and powders
IP66 ÷ 67 protection
PTFE or PVC insulation

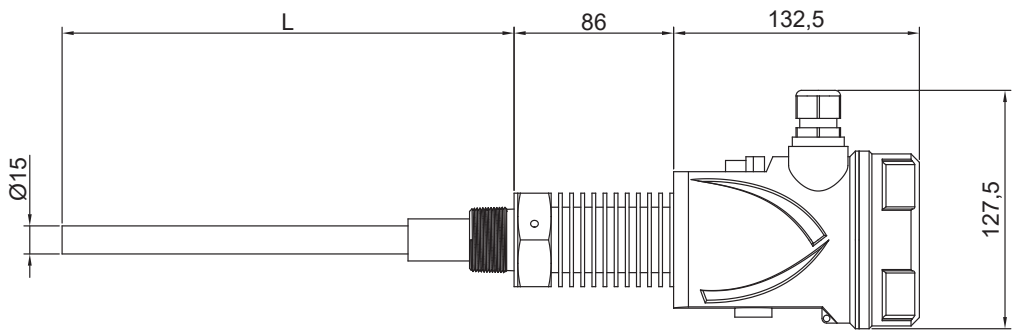
Capacitive instrument, rod probe suitable for general or chemical-pharmaceutical applications for level measurement of conductive, non-conductive liquids or granules. Installation on the top of metal tanks..

Technical Feature

Housing material
aluminum / polycarbonate
Versions
compact; remote; high temperature
IP rating
IP67

Electrical connection
terminals
Working temperature
-30° ÷ +150°C PTFE ; -20° ÷ +70°C PVC
Electrodes
rigid insulated PTFE rod; rigid PVC insulated rod

Power supply
24Vdc; 24/115/230Vac
Analog output
4÷20mA
Measure range
max 3 mt rod



CLT4 Capacitive rod probe for liquids and dust

Suitable for level measurement
Installation in the top of metallic tanks; 3m max.

	Version	
	A	Without insert-preamplifier
	B	Compact
	D	Spacer-cooling-fins compact in carbon-steel
	F	Spacer-cooling-fins compact in stainless-steel
	H	Separate with M8 female connection, 2m coax cable with double shielding max. 120°C (cod 525A003E). Electrode with DIN B aluminum housing - IP66 (only with ½" connection)
	L	Separate with M8 female connection, 2m coax cable with double shielding max. 120°C (cod 525A003E). Electrode with DIN A aluminum housing - IP66
	R	Separate with Al fixing base +2m coax cable with double shielding max. 120°C (cod 525A003E). Electrode with DIN B aluminum housing - IP66 (only with ½" connection)
	S	Separate with Al fixing base + 2m coax cable with double shielding max. 120°C (cod 525A003E). Electrode with DIN A aluminum housing - IP66
	Z	Special
	Electronic preamplifier	
	00	None
	22	TC22, 4÷20mA, calibration by 2 push-buttons or via RS485, 24Vdc
	23	TC23, 4÷20mA, calibration by 2 push-buttons or via RS485, 24Vac
	24	TC24, 4÷20mA, calibration by 2 push-buttons or via RS485, 115Vac
	25	TC25, 4÷20mA, calibration by 2 push-buttons or via RS485, 230Vac
	26	TC26, 4÷20mA, calibration by 2 push-buttons or via RS485,1 relay, 24Vdc
	27	TC27, 4÷20mA, calibration by 2 push-buttons or via RS485,1 relay, 24Vac
	28	TC28, 4÷20mA, calibration by 2 push-buttons or via RS485,1 relay, 115Vac
	29	TC29, 4÷20mA, calibration by 2 push-buttons or via RS485,1 relay, 230Vac
	30	TC30, 4÷20mA 2-wire, 2 push-buttons calibration, 10÷30Vdc
	99	Special
	Housing for electronic preamplifier	
	E	IP 66 DIN B aluminum housing (for electrode only)
	F	PC with transparent cap and osmotic filter - IP67
	G	IP67 aluminum varnished with osmotic filter
	L	PC with blind cap and osmotic filter - IP67
	Z	Special
	Process connection	
	01	G1" / Carbon-steel - not for DIN B housing
	02	G1" / Stainless-steel SS316 - not for DIN B housing
	03	1" NPT / Carbon-steel - not for DIN B housing
	04	1" NPT / SS316 - not for DIN B housing
	11	G1"½ / Carbon-steel - not for DIN B housing
	12	G1"½ / SS316 - not for DIN B housing
	19	G1"½ / PTFE - not for DIN B housing
	20	Sanitary DN25 DIN 11851 / SS304L - not for DIN B housing
	21	Sanitary DN40 DIN 11851 / SS304L - not for DIN B housing
	22	Sanitary DN50 DIN 11851 / SS304L - not for DIN B housing
	71	CLAMP 1" / SS316 - not for DIN B housing
	73	CLAMP 1"½ / SS316 - not for DIN B housing
	75	CLAMP 2" / SS316 - not for DIN B housing
	83	G½" / Carbon-steel - not for electrodes type Q/R/S
	84	G½" / SS316 - not for electrodes type Q/R/S
	99	Special
	Electrode type and insulation	
	B	PTFE partially insulated SS316 rod
	D	PVC totally insulated SS316 rod
	H	PTFE totally insulated SS316 rod (only for dust/granules)
	L	PTFE 8/12 totally insulated SS316 rod (for liquids - max length 2000mm)
	Q	PTFE partially insulated SS316 rod + SS316 grounding reference (for liquids)
	S	PTFE 8/12 insulated rod + SS316 grounding reference (for liquids - max length 2000mm) just with non sensitive part cod A
	Z	Special
	L= Electrode length, price each 100mm	
	40	PTFE partially insulated SS316 rod
	42	PVC totally insulated SS316 rod
	46	PTFE totally insulated SS316 rod (only for dust/granules)
	48	PTFE 8/12 totally insulated SS316 rod (for liquids - max length 2000mm)
	53	PTFE partially insulated SS316 rod + SS316 grounding reference (for liquids)
	55	PTFE 8/12 insulated rod + SS316 grounding reference (for liquids - max length 2000mm)
	99	Special
	L1 = non sensitive part (rod), material and price each 10cm	
	A	None
	C	SS316 - max 100mm
	Z	Special