CLT4
capacitive level transmitter

Contact level measurement

Threaded, flanged and sanitary connections

Suitable for measuring of liquids and powders

IP65 ÷ 67 protection

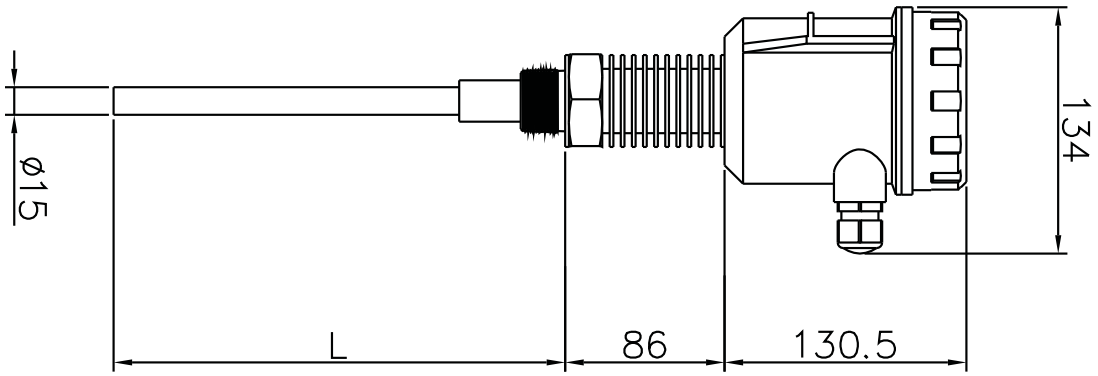
PTFE or PVC insulation

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 FEATURES

Housing material
aluminum / polycarbonate
Versions
compact; remote; higt 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 (only capacitive electrode with E, F or L housing)
B	Compact
D	Spacer-cooling-fins compact in carbon-steel
F	Spacer-cooling-fins compact in stainless-steel
H	Separate with M8 female connection, 1,5m coaxcable max. 70°C (cod 525A001H). Electrode with DIN B aluminum housing - IP66 (only with ½" connection)
I	Separate with M8 female connection, 1,5m coaxcable with double shielding max. 120°C with external sheath in EPDM (cod 525A003E). Electrode with DIN B aluminum housing - IP66 (only with ½" connection)
L	Separate with M8 female connection, 1,5m coaxcable max. 70°C (cod 525A001H). Electrode with DIN A aluminum housing - IP66
M	Separate with M8 female connection, 1,5m coaxcable with double shielding max. 120°C with external sheath in EPDM (cod 525A003E). Electrode with DIN A aluminum housing - IP66
R	Separate with Al fixing base + 2m coaxcable max. 70°C (cod 525A001H). Electrode with DIN B aluminum housing - IP66 (only with ½" connection)
S	Separate with Al fixing base + 2m coaxcable max. 70°C (cod 525A001H). 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 anticondensation filter - IP67
G	IP66 varnished aluminum
L	PC with blind cap and anticondensation filter - IP67
Z	Special

Process connection	
01	G1" / Carbon-steel
02	G1" / Stainless-steel SS316
03	1" NPT / Carbon-steel
04	1" NPT / Stainless-steel SS316
11	G1"½ / Carbon-steel
12	G1"½ / Stainless-steel SS316
19	G1"½ / PTFE
20	Sanitary DN25 DIN 11851 / SS304L
21	Sanitary DN40 DIN 11851 / SS304L
22	Sanitary DN50 DIN 11851 / SS304L
40	Threaded flange DN40 PN 6 UNI 1092-1 / PVC
41	Threaded flange DN40 PN 6 UNI 1092-1 / PTFE
42	Threaded flange DN40 PN16 / carbon steel
45	Threaded flange DN50 PN6 UNI 1092-1 / PVC
46	Threaded flange DN80 PN6 UNI 1092-1 / PVC
47	Threaded flange DN100 PN6 UNI 1092-1 / PVC
50	Threaded flange DN40 PN16 / SS304
51	Threaded flange DN40 PN16 / SS316
52	Threaded flange DN50 PN16 DIN 2527 form B (without gasket) / SS316
53	Threaded flange DN80 PN16 DIN 2527 form B (without gasket) / SS316
54	Threaded flange DN100 PN16 DIN 2527 form B (without gasket) / SS316
60	Threaded flange ANSI RF 2" 150 psi / SS316
61	Threaded flange ANSI RF 3" 150 psi / SS316
62	Threaded flange ANSI RF 4" 150 psi / SS316
71	CLAMP 1" / SS316
73	CLAMP 1 1/2" / SS316
75	CLAMP 2" / SS316
83	G½" / Carbon-steel - not for DIN A housing
84	G½" / Stainless-steel SS316 - not for DIN A housing
99	Special

Electrode type and insulation	
B	PTFE partially insulated SS316 rod
D	PVC totally insulated SS316 rod
H	PTFE totally insulated SS316 rod
L	PTFE 8/12 totally insulated SS316 rod (for liquids - max length 2200mm)
M	PTFE partially insulated SS316 rod + carbon steel grounding reference
N	PVC insulated rod + carbon steel grounding reference
P	PTFE insulated rod + carbon steel grounding reference
Q	PTFE partially insulated SS316 rod + SS316 grounding reference
R	PVC insulated rod + SS316 grounding reference
S	PTFE insulated rod + SS316 grounding reference
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
48	PTFE 8/12 totally insulated SS316 rod (for liquids)
50	PTFE partially insulated SS316 rod + Carbon steel grounding reference
51	PVC insulated rod + Carbon steel grounding reference
52	PTFE insulated rod + Carbon steel grounding reference
53	PTFE partially insulated SS316 rod + SS316 grounding reference
54	PVC insulated rod + SS316 grounding reference
55	PTFE insulated rod + SS316 grounding reference
99	Special

L1 = non sensitive part (rod), material and price each 10cm	
A	None
B	Carbon-steel
C	SS316
Z	Special

SGM LEKTRA

PROCESS CONTROL AND MEASUREMENT