

CLS7

capacitive level switch

- Contact level control for top mounting**
- Wire rope carbon steel / PE**
- Suitable for control of granules and powders**
- IP66 ÷ 67 protection**
- Max length 30 m**
- ATEX certified versions**



Capacitive instrument with wired rope probe for heavy duty, suitable for level controls in granules and dust, IP66 ÷ 67 protection, installation on the top of metallic vessels.

TECHNICAL FEATURES

Versions

Compact; remote

Process connection material

AVP; SS316

IP rating

IP66 / 67

Electronic models

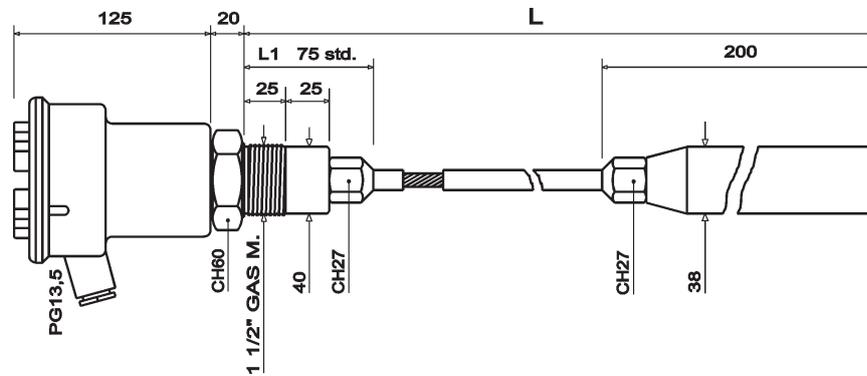
TL31R; TL41R; TL41R ATEX; TC73R

Electrodes

Rope Ø8mm bare or completely insulated in PE

Certification

ATEX (only TL41R)



CLS7 Rope level switch for granulates

ON/OFF capacitive level control
 Suitable for bulk solid and granulates
 Top side metallic tank-installation

Version	
A	Without electronic preamplifier (only capacitive electrode with B, F or L housing)
B	Compact
E	Compact, dust ATEX II 1/2D Ex tD A21 iaD 20 IP66 T 150°C certificated (TL41R insert); to be used with " G" housing
L	Separate with M8 female connection, 1,5m coaxcable max. 70°C (cod 525A001H). Electrode with DIN A aluminum housing - IP66
Z	Special

Electronic preamplifier	
00	None
41	TL41R ON-OFF, supply 24Vdc/Vac - 115 Vac 50Hz, Relay output SPDT
43	TL41R ON-OFF, supply 85÷250Vac 50Hz, Relay output SPDT
73	ON-OFF TC7.3R local calibration, 24Vdc, 3 relays out for 3 adjustable set-points
99	Special

Housing for electronic preamplifier	
B	IP66 loaded PC , white polycarbonate cap - only with TC7.3R insert
F	PC with transparent cap and anticondensation filter, IP67 - only with TL41R insert
G	IP66 aluminum varnished (necessary for ATEX version) - only with TL41R insert
L	PC with blind cap and anticondensation filter, IP67 - only with TL41R insert
Z	Special

Process connection	
11	G1"½ / Carbon-steel
42	Threaded flange DN40 PN16, Carbon-steel
50	Threaded flange DN40 PN16, SS304
51	Threaded flange DN40 PN16, SS316
52	Threaded flange DN50 PN16 DIN2527 form B (without gasket), SS316
53	Threaded flange DN80 PN16 DIN2527 form B (without gasket), SS316
54	Threaded flange DN100 PN16 DIN2527 form B (without gasket), SS316
60	Threaded flange ANSI RF 2" 150psi, SS316
61	Threaded flange ANSI RF 3" 150psi, SS316
62	Threaded flange ANSI RF 4" 150 psi, SS316
99	Special

Electrode type and insulation	
L	Ø8mm carbon steel, counterweight in carbon steel
M	Ø8mm carbon steel, counterweight in SS316
N	Ø8mm carbon steel PE coated, counterweight in carbon steel
P	Ø8mm carbon steel PE coated, counterweight in SS316
Z	Special

L= Electrode length, price each meter	
73	Ø8mm carbon steel
74	Ø8mm carbon steel PE coated
99	Special

L1 = non sensitive part (rod), material and price each 10cm	
A	Standard (50mm)
B	Carbon-steel
C	SS316
Z	Special