

# CLS2

capacitive level switch

**Contact level control**

**Suitable for liquids, powders and granules**

**Protection IP66 / 67**

**ATEX certified versions**

**PTFE or PVC insulation**



Standard capacitive units with rod or rope extension, for general industrial applications. Suitable for ON-OFF level control of granules, powders and liquids, IP66 / 67 protection.

## TECHNICAL FEATURES

### Version

compact; with heat sink

### Process connection

threaded; flanged

### IP rating

IP66 / 67

### Electronics

TL31R; TL41R; TL41R ATEX

### Electrodes

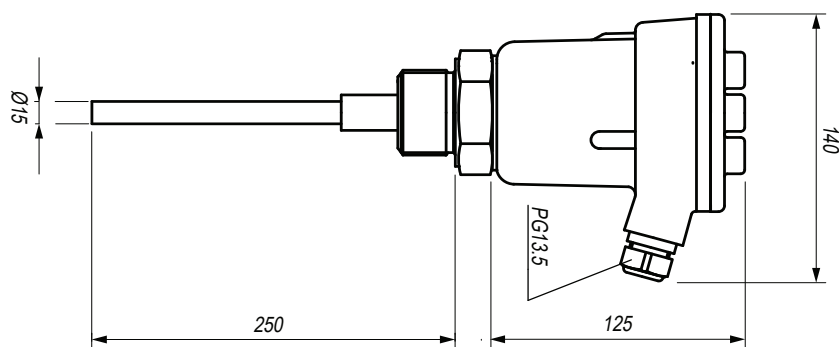
rod partially insulated in PTFE or PVC

### Standard electrode length

250mm

### Extensions

with rigid rod Ø10mm AISI 316; rope Ø6mm and counterweight in carbon steel

**CLS2****Standard rod level switch**

ON/OFF capacitive level control  
 Top and lateral side metallic tank-installation  
 Standard length: 250mm

Version	
<b>A</b>	Without preamplifier insert (only capacitive electrode)
<b>B</b>	Compact
<b>D</b>	Compact with carbon-steel dissipator between head and connection
<b>E</b>	Compact, dust ATEX II 1/2D Ex tD A21 iaD 20 IP66 T 150°C certificated; only with "G" housing
<b>F</b>	Compact with SS316 dissipator
<b>Z</b>	Special
Electronic preamplifier	
<b>00</b>	None
<b>41</b>	TL41R ON-OFF, supply 24VDC/vAC - 115vAC 50Hz, Relay output SPDT
<b>43</b>	TL41R ON-OFF, supply 85-250vAC 50Hz, Relay output SPDT
<b>99</b>	Special
Housing	
<b>F</b>	PC with transparent cap and anticondensation filter, IP67
<b>G</b>	IP66 aluminum varnished (necessary for ATEX version)
<b>L</b>	PC with blind cap and anticondensation filter, IP67
<b>Z</b>	Special
Process connection	
<b>01</b>	G1" / Carbon-steel
<b>02</b>	G1" / SS316
<b>11</b>	G1"½ / Carbon steel
<b>12</b>	G1"½ / SS316
<b>99</b>	Special
Electrode type and insulation	
<b>B</b>	Partially PVC insulated Ø15mm Carbon-steel rod
<b>C</b>	Ø15mm Carbon-steel rod with extended PVC insulation
<b>D</b>	Partially PTFE insulated Ø15mm Carbon-steel rod
<b>H</b>	Partially PVC insulated Ø15mm SS316 rod
<b>I</b>	Ø15mm SS316 rod with extended PVC insulation
<b>L</b>	Partially PTFE insulated Ø15mm SS316 rod
<b>Z</b>	Special
M10x1,5 female thread for extension	
<b>0</b>	None
<b>1</b>	M10x1,5 female thread on top
Non sensitive part	
<b>A</b>	None
<b>B</b>	100mm, same material of process connection
<b>Z</b>	Special
Extension type	
<b>000</b>	None
<b>400</b>	Ø10mm SS316 rod
<b>700</b>	Ø6mm carbon-steel rope + carbon-steel counterweight (type 50) Warning! For length over 3m, extra price
<b>999</b>	Special
Extension length	
<b>A</b>	Without
<b>B</b>	Rigid rod Ø10mm, price each 10cm (max 3m)
<b>C</b>	Carbon-steel rope Ø6mm, price each m (max 10m)
<b>Z</b>	Special

# CLS4

capacitive level switch

**Contact level control**

**Suitable for liquids, powders and granules**

**Protection IP66 / 67**

**ATEX certified versions**

**PTFE or PVC insulation**



Capacitive units with rod probe for general-purpose, suitable for ON-OFF level control in conductive or non-conductive liquids, IP66 / 67 protection, installation on the top or side of metallic vessels. Available with PTFE or PVC electrode protection.

## TECHNICAL FEATURES

### Version

compact; with heat sink

### Process connection

threaded; flanged; sanitary

### IP rating

IP66 / 67

### Electronics

TL31R; TL41R; TL41R ATEX; TC7R3

### Electrodes

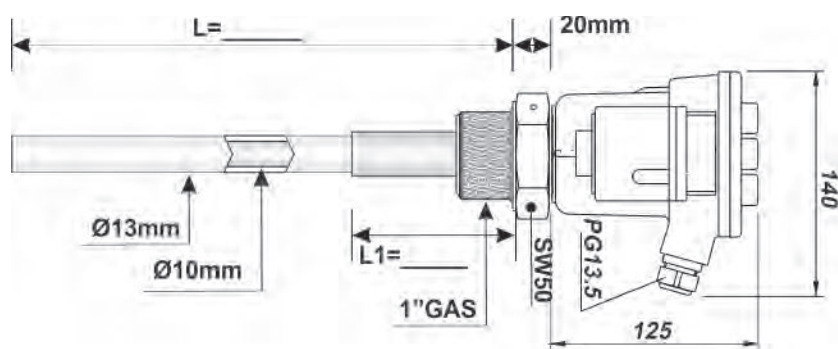
rod partially insulated in PTFE or PVC

### Max electrode length

3 m

### Certification

ATEX

**CLS4****Rod level switch**

ON/OFF capacitive level control  
 Suitable for conductive and non-conductive liquids  
 Top and lateral side metallic tank-installation

Version	
<b>A</b>	Without preamplifier (only capacitive electrode with B, F or L housing)
<b>B</b>	Compact
<b>D</b>	Compact with carbon-steel dissipator between head and connection
<b>E</b>	Compact, dust ATEX II 1/2D Ex tD A21 iaD 20 IP66 T 150°C certificated (TL41R insert); to be used with "G" housing
<b>F</b>	Compact, with SS316 dissipator between head and connection
<b>H</b>	Separate with M8 female connection, 1,5m coaxcable max. 70°C (cod 525A001H). Electrode with DIN B aluminum housing - IP66 - only with ½" connection
<b>I</b>	Separate with M8 female connection, 1,5m coaxcable with double shielding max 120°C with external sheath in EPDM (cod 525A003E) Electrode with DIN aluminum housing - IP66 - only with ½" connection
<b>L</b>	Separate with M8 female connection, 1,5m coaxcable max 70°C (cod 525A001H) Electrode with DIN A aluminum housing - IP66
<b>M</b>	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
<b>N</b>	Compact, with carbon-steel dissipator, one 20/21 ATEX cert (TL41R insert only); to be used with "G" housing
<b>P</b>	Compact, with SS316 dissipator, one 20/21 ATEX cert (TL41R insert only); to be used with "G" housing
	Separate with Al fixing base + 2m coaxcable max 70°C (cod 525A001H) Electrode with DIN aluminum housing - IP66 - only with ½" connection
<b>S</b>	Separate with Al fixing base + 2m coaxcable max 70°C (cod 525A001H) Electrode with DIN A aluminum housing - IP66
<b>Z</b>	Special
Electronic preamplifier	
<b>00</b>	None
<b>41</b>	TL41R ON-OFF, supply 24vDC/vAC - 115 vAC 50Hz, Relay output SPDT
<b>43</b>	TL41R ON-OFF, supply 85-250vAC 50Hz, Relay output SPDT
<b>73</b>	TC7 3R local calibration, 24vDC, 3 relays out for 3 adjustable set-points
<b>99</b>	Special
Housing for electronic preamplifier	
<b>B</b>	IP66 loaded PC, white polycarbonate cap - only with TC7 3R insert
<b>F</b>	PC with transparent cap and anticondensation filter, IP67 - only with TL41R insert
<b>G</b>	IP66 aluminum varnished (necessary for ATEX version) - only with TL41R insert
<b>L</b>	PC with blind cap and anticondensation filter, IP67 - only with TL41R insert
<b>Z</b>	Special

Process connection	
01	G1" / Carbon-steel
02	G1" / SS316
03	1" NPT-M / Carbon-steel
04	1" NPT-M / SS316
11	G1½" / Carbon-steel
12	G1½" / SS316
1	G1½" / PVC - only for compact versions, housing and TL31/TC73R inserts
19	G1½" / PTFE
20	Sanitary DN25 DIN 11851, SS304L
21	Sanitary DN40 DIN 11851, SS304L
22	Sanitary DN50 DIN 11851, SS304L
40	Threaded flange DN40 PN6 NI 10 2-1, PVC
41	Threaded flange DN40 PN 6 NI6 1/71, PTFE
42	Threaded flange DN40 PN16, Carbon-steel
45	Threaded flange DN50 PN6 NI 10 2-1, PVC
4	Threaded flange DN80 PN6 NI 10 2-1, PVC
47	Threaded flange DN100 PN6 NI 10 2-1, PVC
50	Threaded flange DN40 PN16, SS304
51	Threaded flange DN40 PN16, SS316
52	Threaded flange DN50 PN16 DIN 2527 form (without gasket), SS316
53	Threaded flange DN80 PN16 DIN 2527 form (without gasket), SS316
54	Threaded flange DN100 PN16 DIN 2527 form (without gasket), SS316
0	Threaded flange ANSI RF 2" 150 psi, SS316
1	Threaded flange ANSI RF 3" 150 psi, SS316
2	Threaded flange ANSI RF 4" 150 psi, SS316
71	CLAMP 1" SS316
73	CLAMP 1 1/2" SS316
75	CLAMP 2" SS316
3	G½" / Carbon-steel - not for DIN A electrode housing
4	G½" / Stainless-steel SS316 - not for DIN A electrode housing
92	G " / SS316
99	Special

Electrode type and insulation	
B	PTFE partially insulated SS316 rod
C	SS316 rod with extended PVC insulation
D	PVC totally insulated SS316 rod
G	SS316 rod with extended PTFE insulation
H	PTFE totally insulated SS316 rod
L	PTFE 8/12 totally insulated SS316 rod (for liquids)
M	PTFE partially insulated SS316 rod + Carbon steel concentric reference electrode
N	PVC totally insulated SS316 rod + Carbon steel concentric reference electrode
P	PTFE totally insulated SS316 rod + Carbon steel concentric reference electrode
	PTFE partially insulated SS316 rod + SS316 concentric reference electrode
	PVC totally insulated SS316 rod + SS316 concentric reference electrode
S	PTFE totally insulated SS316 rod + SS316 concentric reference electrode
Z	Special

L Electrode length, price each 100mm	
40	PTFE partially insulated SS316 rod
41	SS316 rod with extended PVC insulation
42	PVC totally insulated SS316 rod
45	SS316 rod with extended PTFE insulation
4	PTFE totally insulated SS316 rod
4	PTFE 8/12 totally insulated SS316 rod (for liquids)
50	PTFE partially insulated SS316 rod + Carbon steel concentric reference electrode
51	PVC totally insulated SS316 rod + Carbon steel concentric reference electrode
52	PTFE totally insulated SS316 rod + Carbon steel concentric reference electrode
53	PTFE partially insulated SS316 rod + SS316 concentric reference electrode
54	PVC totally insulated SS316 rod + SS316 concentric reference electrode
55	PTFE totally insulated SS316 rod + SS316 concentric reference electrode
99	Special

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

# CLS5

capacitive level switch

- Contact level control for top mounting**
- Sensor element in PP**
- Suitable for control of granules and powders**
- IP67 protection**
- Cable in HDPE**
- Max length 6 m**



CLS5 is a capacitive level control instrument that uses an advanced technology. CLS5 is equipped with a sensor in PP heat-sealed. This allows its use in a wide applications range for the level control in granules or powders such as cement, flour, feed for animals, etc. ... The CLS5 is easily configurable via the VL601 module. Maximum tensile load 3000 N.

## TECHNICAL FEATURES

### Housing material

polycarbonate

### Process connection material

AVP

### Rope material

PHED

### Sensor material

Polycarbonate

### Process connection

1"½ GAS M

### Tensile strength

max 3000N (<40°C); max. 2800N (80°C)

### Pressure

-1/+6bar

### Working temperature

-30 to +70°C; +80°C

### Power supply

20-36VDC; 20-255VAC 50/60Hz

### Electrical connections

Terminal

### Output

Relay 3A 230VAC

### Mode of intervention

min or max

### Delay

0-30s.

### Calibration

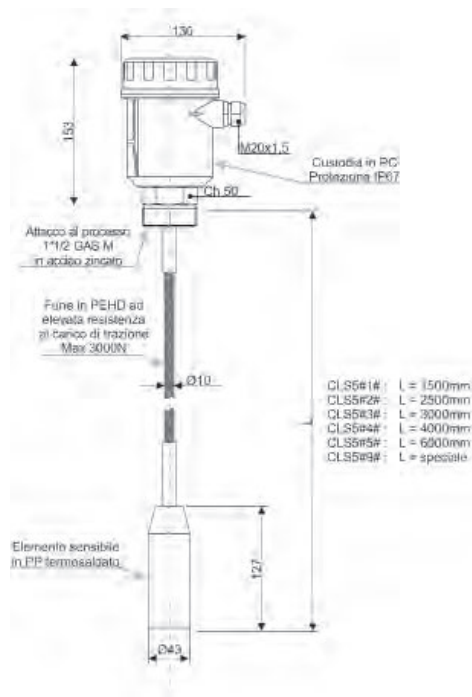
4 buttons

### Warm up

1 minute

### Display

Plug-in display/keyboard 4 buttons matrix LCD



### CLS5 PEHD insulated rope level switch for granulates

Process connection, G1"1/2 / galvanized steel  
 Product temperature range -30° to +70°C (80° non continuous)  
 IP67 mechanical protection  
 Extension with PEHD isolated steel cable  
 Power supply 20-36vDC / 20-255vAC 50Hz  
 0,8W or 15VA max power consumption  
 Relay output rating 250vAC 2A

Version	
<b>A</b>	Compact with transparent cap, IP67
<b>B</b>	Compact with blind cap, IP67
<b>Z</b>	Special
Extension length	
<b>1</b>	L 1500mm
<b>2</b>	L 2500mm
<b>3</b>	L 3000mm
<b>4</b>	L 4000mm
<b>5</b>	L 6000mm
<b>9</b>	Special
Accessories	
<b>A</b>	None
<b>D</b>	VL601 keyboard/display programming module (VL601SGM)
<b>Z</b>	Special

# CLS6

compact capacitive level switch

**Suitable for liquids, bulk solids and powders**

**Poor adherence of the product on the sensor surface**

**Differentiation between foam and liquid**

**Indication of the sensor status via multicolour LED**

**Compact case in AISI316L**

**Active zone covered in PEEK**

**IP67 protection (on request IP69K)**

**Two configurable alarms separately**



Suitable for the control of solid granules or powders, conductive and non-conductive liquids, even with the presence of foam. CLS6 is designed for universal use in tanks, pipes, silos, hoppers and anything else that requires product presence / absence control. The mass reference integrated in the sensor makes CLS6 also suitable for application in tanks, pipes, etc. made of plastic material. Calibration / configuration can be performed, without the need for optional accessories, using an on-board button that can be activated with any metal object such as, for example, the tip of a screwdriver. The multicolored LED indicates the different switching conditions simplifying the verification of the process conditions.

## TECHNICAL FEATURES

### Applications

Substances based on oil, water-based substances, powders and granulates, pastes of any kind and foaming substances

### Case material

AISI316L

### Sensitive area material

PEEK

### Attack to the process

G 1/2 A hygienic

### Protection

IP67 (on request IP69K)

### Process pressure range

-1 to + 10bar continuous (max 5bar with + 135 ° C for intervals <1h)

### Process temperature range

-40 to + 115 ° C continuous (+ 135 ° C for intervals <1h with max pressure 5bar)

### Room temperature

-40 ° to 85 ° C

### Humidity

<98% RH, condensing

### Supply voltage

8-36VDC, max 50mA

### Electrical connection

M12-A connector, 4-pin, in polycarbonate or AISI

### Alarm outputs

N. 2 PNP or NPN (max 100mA) configurable

### Repeatability

± 1mm

### Hysteresis

± 1mm

### Product dielectric characteristics

CD. > 1.5

### Time lag

Adjustable from 0 to 10 seconds

### Alarm outputs

N. 2 PNP or NPN (max 100mA) configurable

### Certifications (opt.)

ATEX II 3G Ex nA IIC T4 Gc

ATEX II 1G Ex ia IIC T4 Ga, ATEX II 1D Ex ta IIIC T100 ° C



**CLS6**      Compact level switch

ON/OFF capacitive level control in AISI316L / PEE  
 Suitable for conductive and non-conductive liquids and granules  
 Installation on tanks, pipes, silos or hoppers  
 2 PNP configurable output - Working temperature -40 to 115°C  
 Alimentazione 12÷30VDC; protezione IP67  
 Connettore 4 poli M12

Length / Connection / Working pressure	
<b>A</b>	L 48mm / G 1/2" A hygienic / -1÷10bar
<b>B</b>	L 117mm / G 1/2" A hygienic / -1÷100bar
<b>Z</b>	Special
Certification	
<b>0</b>	None
<b>1</b>	ATEX ia + ta
Accessories	
<b>A</b>	None
<b>B</b>	Weld-in sleeve - G 1/2" A hygienic female
<b>C</b>	Weld-in spheric sleeve - G 1/2" A hygienic female
<b>D</b>	Clamp sleeve DN25/DN38 - G 1/2" A hygienic female
<b>Z</b>	Special

# 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**

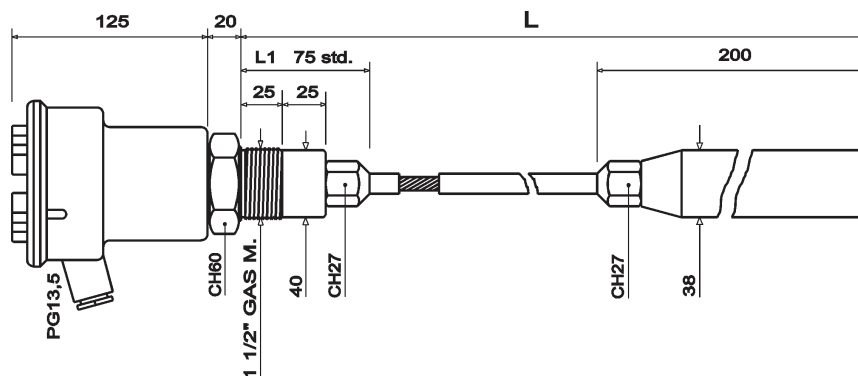
TL31R; TL41R; TL41R ATEX; TC73R

### **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	
<b>A</b>	Without electronic preamplifier (only capacitive electrode with B, F or L housing)
<b>B</b>	Compact
<b>E</b>	Compact, dust ATEX II 1/2D Ex tD A21 iaD 20 IP66 T 150°C certificated (TL41R insert): to be used with " G" housing
<b>L</b>	Separate with M8 female connection, 1,5m coaxcable max. 70°C (cod 525A001H). Electrode with DIN A aluminum housing - IP66
<b>Z</b>	Special
Electronic preamplifier	
<b>00</b>	None
<b>41</b>	TL41R ON-OFF, supply 24vDC/vAC - 115vAC 50Hz, Relay output SPDT
<b>43</b>	TL41R ON-OFF, supply 85-250vAC 50Hz, Relay output SPDT
<b>73</b>	ON-OFF TC7.3R local calibration, 24Vdc, 3 relays out for 3 adjustable set-points
<b>99</b>	Special
Housing for electronic preamplifier	
<b>B</b>	IP66 loaded PC , white polycarbonate cap - only with TC7.3R insert
<b>F</b>	PC with transparent cap and anticondensation filter, IP67 - only with TL41R insert
<b>G</b>	IP66 aluminum varnished (necessary for ATEX version) - only with TL41R insert
<b>L</b>	PC with blind cap and anticondensation filter, IP67 - only with TL41R insert
<b>Z</b>	Special
Process connection	
<b>11</b>	G1"½ / Carbon-steel
<b>42</b>	Threaded flange DN40 PN16, Carbon-steel
<b>50</b>	Threaded flange DN40 PN16, SS304
<b>51</b>	Threaded flange DN40 PN16, SS316
<b>52</b>	Threaded flange DN50 PN16 DIN2527 form B (without gasket), SS316
<b>53</b>	Threaded flange DN80 PN16 DIN2527 form B (without gasket), SS316
<b>54</b>	Threaded flange DN100 PN16 DIN2527 form B (without gasket), SS316
<b>0</b>	Threaded flange ANSI RF 2" 150psi, SS316
<b>1</b>	Threaded flange ANSI RF 3" 150psi, SS316
<b>2</b>	Threaded flange ANSI RF 4" 150 psi, SS316
<b>99</b>	Special
Electrode type and insulation	
<b>L</b>	8mm carbon steel, counterweight in carbon steel
<b>M</b>	8mm carbon steel, counterweight in SS316
<b>N</b>	8mm carbon steel PE coated, counterweight in carbon steel
<b>P</b>	8mm carbon steel PE coated, counterweight in SS316
<b>Z</b>	Special
L Electrode length, price each meter	
<b>73</b>	8mm carbon steel
<b>74</b>	8mm carbon steel PE coated
<b>99</b>	Special
L1 non sensitive part rod , material and price each 10cm	
<b>A</b>	Standard (50mm)
<b>B</b>	Carbon-steel
<b>C</b>	SS316
<b>Z</b>	Special

# CLS8

capacitive level switch

**Contact level control for top mounting**  
**Threaded, flanged and sanitary connection**  
**Suitable for control of liquids**  
**IP66 / 67 protection PTFE or PVC insulation**  
**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; with heat sink

### **Process connection material**

SS304; SS316

### **IP rating**

IP66 / 67

### **Electronic models**

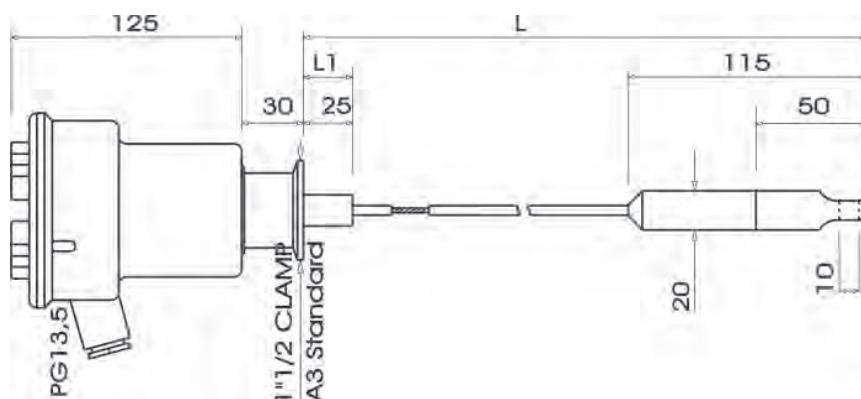
TL31R; TL41R; TL41R ATEX; TC73R

### **Electrodes**

Rope Ø2,5mm completely insulated in PTFE; PVC

### **Certification**

ATEX (only TL41R)

**CLS8****Rope level switch for liquids**

ON/OFF capacitive level control  
 Suitable for conductive and not conductive liquids  
 Top side metallic tank-installation

Version	
<b>A</b>	Without electronic preamplifier (only capacitive electrode with B, F or L housing)
<b>B</b>	Compact
<b>D</b>	Compact, with carbon steel dissipator between head and connection
<b>E</b>	Compact, dust ATEX II 1/2D Ex tD A21 iaD 20 IP66 T 150°C certificated (TL41R insert); to be used with "G" housing
<b>F</b>	Compact, with SS316 dissipator between head and connection
<b>L</b>	Separate with M8 female connection, 1,5m coaxcable max 70°C (cod 525A001H) Electrode with DIN A aluminum housing - IP66
<b>N</b>	Compact, with carbon-steel dissipator, one 20/21 ATEX cert (TL41R insert only); to be used with "G" housing
<b>P</b>	Compact, with SS316 dissipator, one 20/21 ATEX cert (TL41R insert only); to be used with "G" housing
<b>Z</b>	Special

Electronic preamplifier	
<b>00</b>	None
<b>41</b>	TL41R ON-OFF, supply 24vDC/vAC- 115vAC 50Hz, Relay output SPDT
<b>43</b>	TL41R ON-OFF, supply 85-250vAC 50Hz, Relay output SPDT
<b>73</b>	ON-OFF TC7 3R local calibration, 24Vdc, 3 relays out for 3 ad ustable set-points
<b>99</b>	Special

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

Process connection	
<b>02</b>	G1" / SS316
<b>04</b>	1" NPT / SS316
<b>11</b>	G1"½ / Carbon-steel
<b>12</b>	G1"½ / SS316
<b>1</b>	G1"½ / PVC - only for compact versions, housing and TL31/TC73R inserts
<b>19</b>	G1"½ / PTFE
<b>20</b>	Sanitary DN25 DIN11851, SS304L
<b>21</b>	Sanitary DN40 DIN11851, SS304L
<b>22</b>	Sanitary DN50 DIN11851, SS304L
<b>42</b>	Theaded flange DN40 PN16, Carbon-steel
<b>50</b>	Theaded flange DN40 PN16, SS304
<b>51</b>	Theaded flange DN40 PN16, SS316
<b>52</b>	Theaded flange DN50 PN16 DIN2527 form (without gasket), SS316
<b>53</b>	Theaded flange DN80 PN16 DIN2527 form (without gasket), SS316
<b>54</b>	Theaded flange DN100 PN16 DIN2527 form (without gasket), SS316
<b>0</b>	Theaded flange ANSI RF 2" 150psi, SS316
<b>1</b>	Theaded flange ANSI RF 3" 150psi, SS316
<b>2</b>	Theaded flange ANSI RF 4" 150psi, SS316
<b>71</b>	CLAMP 1" SS316
<b>73</b>	CLAMP 1 1/2" SS316
<b>75</b>	CLAMP 2" SS316
<b>99</b>	Special

Electrode type and insulation	
<b>B</b>	Ø2,5mm PVC insulated, counterweight in SS316
<b>C</b>	Ø2,5mm PTFE insulated, counterweight in SS316
<b>L</b>	Ø2,5mm PVC insulated, counterweight in PVC
<b>M</b>	Ø2,5mm PTFE insulated, counterweight in PTFE
<b>Z</b>	Special
L Electrode length, price each meter	
<b>1</b>	Ø2,5mm PVC insulated
<b>2</b>	Ø2,5mm PTFE insulated
<b>99</b>	Special
L1 non sensitive part rod , material and price each 10cm	
<b>A</b>	None
<b>C</b>	SS316
<b>Z</b>	Special

# CLS9

capacitive level switch

**Contact level control for plastic or fiberglass tanks**

**IP66 / 67 protection**

**Side mounting, threaded or flanged types**

**PP / PVC Wetted Parts**

**Probe length 103 / 150 mm**

**ATEX certified versions**



Capacitive units suitable for applications in plastic or fiberglass tanks for the on-off control of acids or other chemically aggressive products. Installation on the side of the tank.

## TECHNICAL FEATURES

### Versions

Compact

### Process connection

Threaded; flanged

### IP rating

IP66 / 67

### Electronic models

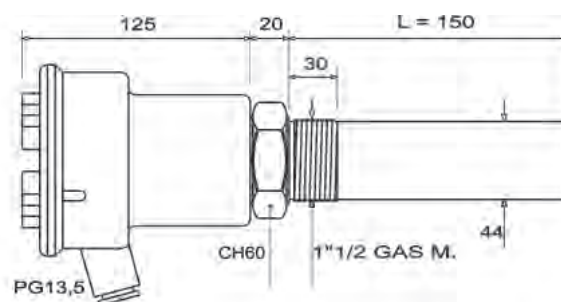
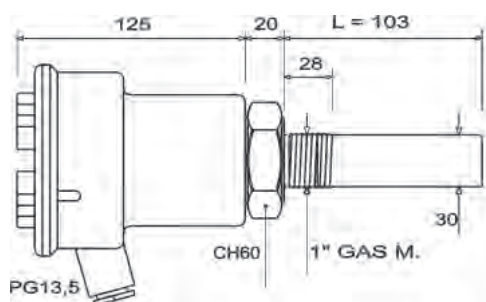
TL31R; TL41R; TL41R ATEX

### Electrodes

Insulated in PP;PVC

### Certification

ATEX (only TL41R)

**CLS9****Rod level switch for plastic tanks**

ON/OFF capacitive level control  
 Suitable for chemical products, acids and others  
 Top and lateral side plastic tanks-installation

Version	
<b>A</b>	Without electronic preamplifier (only capacitive electrode with B, F or L housing)
<b>B</b>	Compact
<b>E</b>	Compact, Zone 20/21 ATEX certificated (TL41R insert only); to be used with "G" housing
<b>Z</b>	Special
Electronic preamplifier	
<b>00</b>	None
<b>41</b>	TL41R ON-OFF, supply 24VDC/vAC - 115vAC 50Hz, Relay output SPDT
<b>43</b>	TL41R ON-OFF, supply 85-250vAC 50Hz, Relay output SPDT
<b>99</b>	Special
Housing	
<b>F</b>	PC with transparent cap and anticondensation filter, IP67 ;
<b>G</b>	IP66 aluminum varnished (necessary for ATEX versions)
<b>L</b>	PC with blind cap and anticondensation filter, IP67
<b>Z</b>	Special
Process connection	
<b>05</b>	G1" / PVC - 30mm (L 103 mm)
<b>06</b>	G1" / PP - 30mm (L 103 mm)
<b>18</b>	G1"½ / PVC - 44mm (L 150 mm)
<b>23</b>	G1"½ / PP - 44mm (L 150 mm)
<b>40</b>	Flange DN40 PN6 PVC (threaded)
<b>43</b>	Flange DN40 PN6 PP (Threaded+welding)
<b>99</b>	Special
Electrode type and insulation	
<b>B</b>	PVC totally insulated - 44mm (G1"½) 30mm (G1")
<b>C</b>	PP totally insulated - 44mm (G1"½) 30mm (G1")
<b>Z</b>	Special