# CLS7 ON-OFF rope capacitance level sensor for granulate and powders

Rope electrode capacitance for heavy-duty application in the ON-OFF level detection for bulk-solids, granulates, powders. IP65, installation on the top of the tank.

## ORDERING INFORMATION ( Example ) CLS7 B 7 3 B 1 1 D 8 3 A

**Version**
*Compact*

**Electronic preamplifier**
*TC7 3R local calibration, 24Vdc, 3 relay out for adjustable set-point*

**IP65 Head connection enclosure**
*PC polycarbonate loaded*

**Process connection**
*1 ½" gas-M carbon-steel*

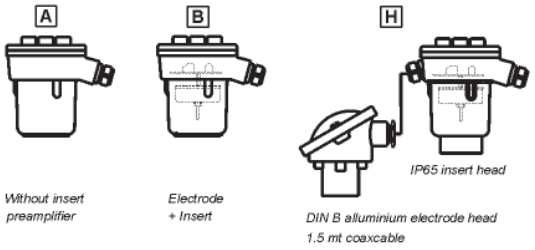
**Rope electrode-type and insulation + counterweight 40x220mm**
*6mm carbon-steel counterweight in carbon steel*

**L electrode length , price per meter (rope)**
*6mm carbon-steel*

**L1 non sensitive part , material and price per each 100mm**
*Standard*

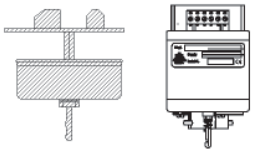
### VERSION — Code: CLS7

| A | B | H | Z |
|---|---|---|---|
| Electrode only | Compact | Separate version | Special |
| Without insert preamplifier | Electrode + Insert | IP65 insert head; DIN B alluminium electrode head 1.5 mt coaxcable | |



### INSERT PREAMPLIFIER — Code: CLS7

- 0 0 Insert = none
- 3 3 Insert = TL31R 24Vdc
- 3 4 Insert = TL31R 24Vac
- 3 5 Insert = TL31R 115 Vac
- 3 6 Insert = TI31R 230 Vac
- 7 3 Insert = TC7 3R 24Vdc
- 3 0 Insert = TC30
- 9 9 Special

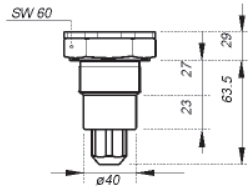


### IP65 HEAD CONNECTION — Code: CLS7

| B | C | D* | E* | Z |
|---|---|---|---|---|
| PC polycarbonated loaded | Diecast aluminium varnished | Double cover PBT | Double cover PBT (with 1 trasparent cover) | Special |

### PROCESS CONNECTION — Code: CLS7

#### THREADED

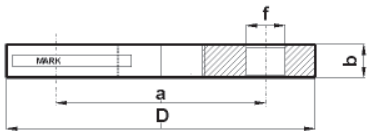


- 1 1 G 1 1/2" Carbon Steel
- 9 9 Special

#### FLANGED

- 4 2 DN40 Carb.Steel
- 5 0 DN40 AISI304
- 5 1 DN40 AISI316

**UNI 6091-67 PN6**



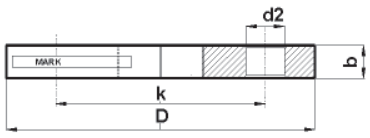
| DN | D | b | a | f | Holes |
|---|---|---|---|---|---|
| 40 | 130 | 14 | 100 | 14 | 4 |

**UNI 6093-67 PN16**

| DN | D | b | a | f | Holes |
|---|---|---|---|---|---|
| 40 | 150 | 16 | 110 | 18 | 4 |

**DIN 2527 Form B PN16**

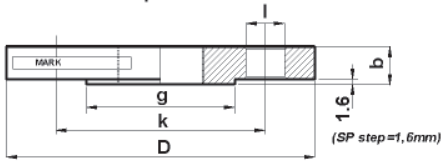
- 5 2 DN50 AISI316
- 5 3 DN80 AISI316
- 5 4 DN100 AISI316



| DN | D | b | k | d2 | Holes |
|---|---|---|---|---|---|
| 50 | 165 | 18 | 125 | 18 | 4 |
| 80 | 200 | 18 | 160 | 18 | 8 |
| 100 | 220 | 18 | 180 | 18 | 8 |

**RF ANSI B16.5 150 psi**

- 6 0 2" AISI316
- 6 1 3" AISI316
- 6 2 4" AISI316



(SP step=1,6mm)

| | D | b | g | k | l | Holes |
|---|---|---|---|---|---|---|
| 2" | 152.4 | 19 | 92.1 | 120.6 | 19 | 4 |
| 3" | 190.5 | 23.8 | 127 | 152.4 | 19 | 4 |
| 4" | 228.6 | 23.8 | 157.2 | 190.5 | 19 | 8 |

* D and E IP65 head connection types only with TC22÷30 insert preamplifer types

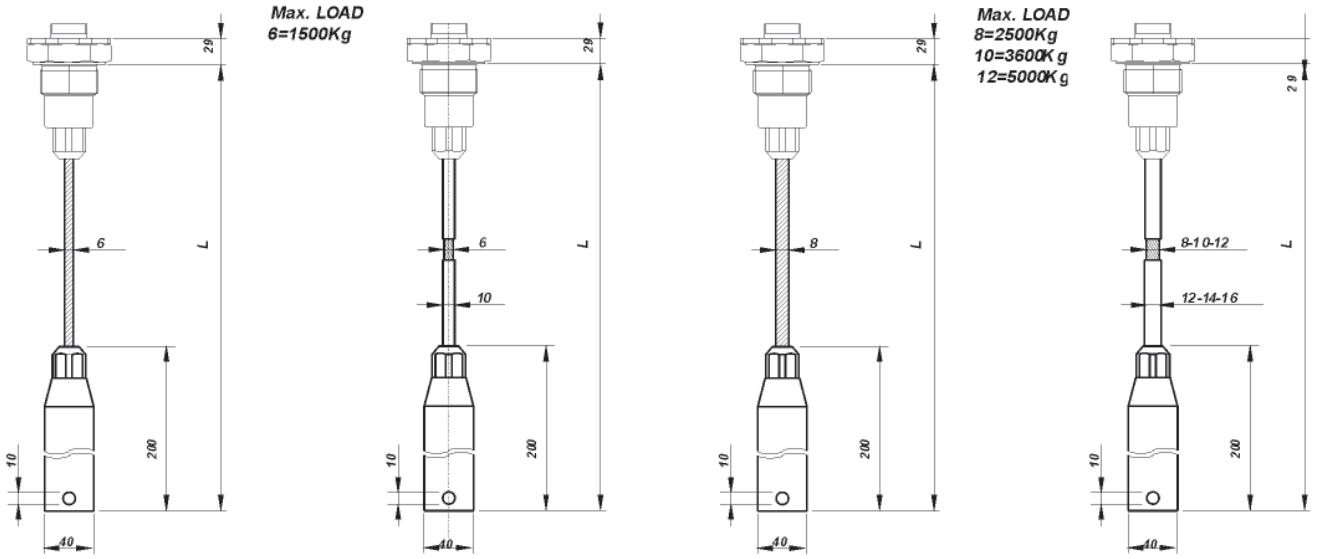
LEKTRA

*applied solutions for the applications*

# CLS7

## ROPE ELECTRODE-TYPE AND INSULATION+COUNTERWEIGTH 40x220mm

Code CLS7 ☐☐☐☐☐☐☐☐☐☐☐☐

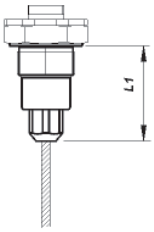



| | | | |
|---|---|---|---|
| D83 6mm carbon steel Counterweight in carbon-steel | H85 6mm PVC insulated counterweight in AISI 316 | L73 8mm carbon-steel counterweight in carbon-steel | N74 8mm carbon-steel PE coated counterweight in carbon-steel |
| E83 6mm carbon steel counterweight in AISI 316 | | M73 8mm carbon-steel counterweight in AISI 316 | P74 8mm carbon-steel PE coated counterweight in AISI 316 |
| F84 6mm AISI 316 counterweight in carbon-steel | | | Q76 10mm carbon-steel PE coated counterweight in carbon-steel |
| G84 6mm AISI 316 counterweight in AISI 316 | | | R78 12mm carbon-steel PE coated counterweight in carbon-steel |

Z99 Special

## L1 NON SENSITIVE PART (rod) material and price per each 10cm

Code CLS7 ☐☐☐☐☐☐☐☐☐☐☐☐

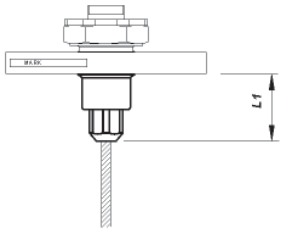


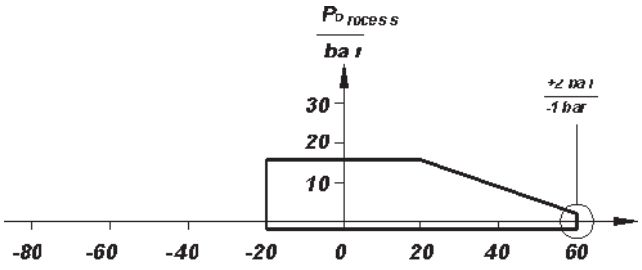

A Standard L1=75mm

B Carbon-steel L1=____mm

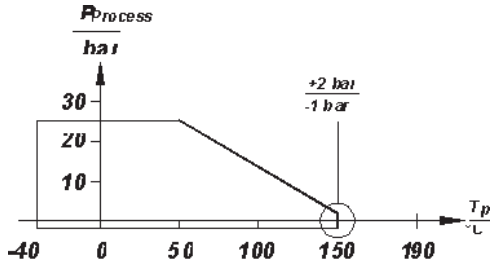
C AISI 316 L1=____mm

Z Special




PVC Insulated




PTFE Insulated

CONSITEC SGM-LEKTRA

CE

LEKTRA

ISO 9001:2000 KEMA

CERT. N. 2032308


**SGM LEKTRA s.r.l.**
Via Papa Giovanni XXIII, 49
20090 Rodano (Milano)
tel. ++39 0295328257 r.a.
fax ++39 0295328321
*e-mail: info@sgm-lektra.com*
*web: www.sgm-lektra.com*