CLS8 ON-OFF rope capacitance level sensor for liquids

Rope electrode capacitance sensor for pharma/chemical ON-OFF level control in liquids. IP65÷66, installation on the top of the tank.

ORDERING INFORMATION (Example) CLS8 | B | 3 | 3 | B | 7 | 3 | C | 8 | 2 | A |

Version
Compact

Electronic preamplifier
TL31.R ON-OFF local sensibility calibration, supply 24Vdc, 1 relay out SPDT

Head connection enclosure
PC polycarbonate loaded

Process connection
Clamp 1 ½" AISI 316

Rope electrode-type and insulation + counterweight
2,5mm PTFE insulated counterweight in AISI 316

L electrode length , price per meter (rope)
2,5mm PTFE insulated

L1 non sensitive part , material and price per each 10cm
Standard

VERSION Code: CLS8 ☐ ■ ■ ■ ■ ■ ■ ■ ■ ■

A	B	C	D	E	F
Without insert preamplifier	Compact electrode + insert	*Ex* certified version With **TC30** insert only	Compact + Carbon stell spacer-cooling-fins	*Ex* certified version With **TL41** insert only	Compact + AISI316 s.s. spacer-cooling-fins
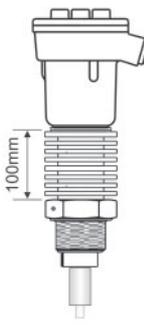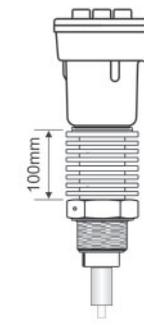
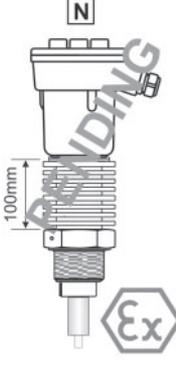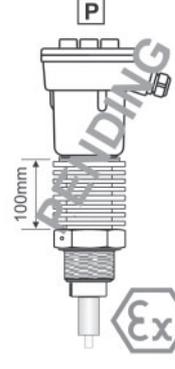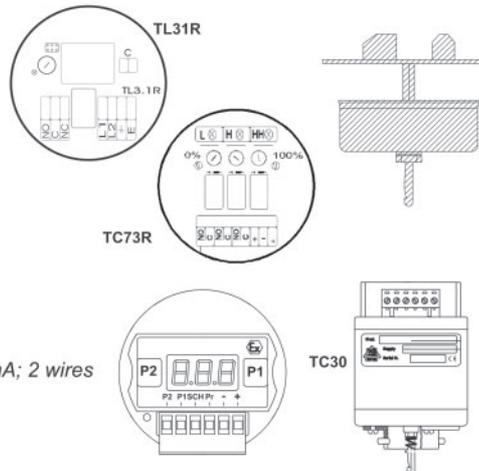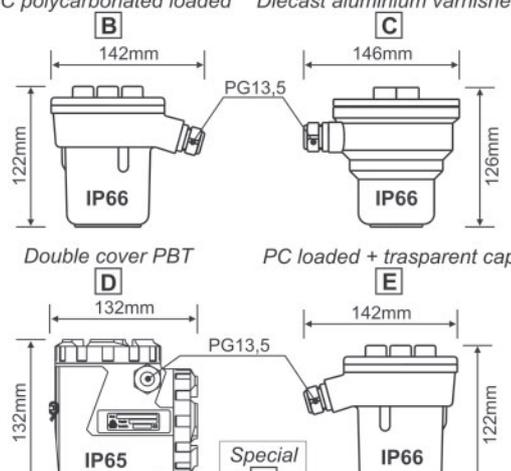| H	L	M	N	P	Z
Separate vers. with DIN A allum. electrode head	*EX* Cert. (**TC30**) + Carbon stell spacer-cooling-fins	*EX* Cert. (**TC30**) + AISI316 s.s. spacer-cooling-fins	*EX* Cert. (**TL41**) + Carbon stell spacer-cooling-fins	*EX* Cert. (**TL41**) + AISI316 s.s. spacer-cooling-fins	Special
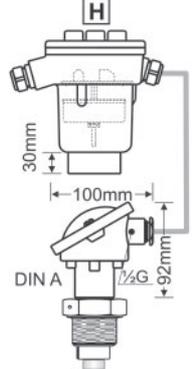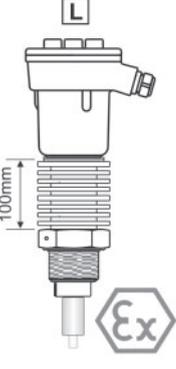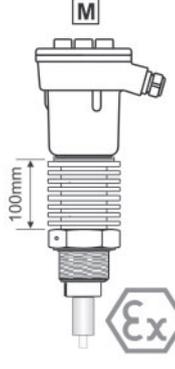
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INSERT PREAMPLIFIER Code: CLS8 ■ ☐ ☐ ■ ■ ■ ■ ■ ■

0	0	Insert = none
3	3	Insert = TL31R 24Vdc
3	4	Insert = TL31R 24Vac
3	5	Insert = TL31R 115 Vac
3	6	Insert = TL31R 230 Vac
4	1	Insert = TL41 (preliminary)
7	3	Insert = TC7 3R 24Vdc
3	0	Insert = TC30; 24Vdc;4÷20mA; 2 wires
9	9	Special

TL31R
TL3.1R
0% 100%
TC73R
TC30
P2 P1
P2 P1SCHPr + –

HEAD CON. Code: CLS8 ■ ■ ■ ☐ ■ ■ ■ ■ ■

B	C
PC polycarbonated loaded	Diecast aluminium varnished
142mm / 122mm / IP66	146mm / 126mm / IP66

PG13,5

D	E
Double cover PBT	PC loaded + trasparent cap
132mm / 132mm / IP65	142mm / 122mm / IP66

PG13,5

Special
Z

LEKTRA

applied solutions for the applications

CLS8

THREADED

0 1	G 1" Carbon Steel
0 2	G 1" AISI316 s.s.
0 3	1" NPT NPT Carb. Steel
0 4	1" NPT AISI316 s.s.

SW 50, 1"NPT, G 1", 20, 23, 29

1 1	G 1 ½" Carbon Steel
1 2	G 1 ½" AISI316 s.s.
1 8	G 1 ½" PVC
1 9	G 1 ½" PTFE

SW 60, G 1 ½", 20, 23, 40

FLANGED

UNI 6091-67 PN6

4 0	DN40 PVC
4 1	DN40 PTFE
4 2	DN40 Carbon Steel
4 5	DN50 PVC
4 6	DN80 PVC
4 7	DN100 PVC

DN	D	b	a	f	Holes
40	130	14	100	14	4
50	140	14	110	14	4
80	190	16	150	18	4
100	210	16	170	18	4

DIN 2527 Form B PN16

5 2	DN50 AISI316 s.s.
5 3	DN80 AISI316 s.s.
5 4	DN100 AISI316 s.s.

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

UNI 6093-67 PN16

| 5 0 | DN40 AISI304 s.s. |
| 5 1 | DN40 AISI316 s.s. |

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

RF ANSI B16.5 150 psi

6 0	2" AISI316 s.s.
6 1	3" AISI316 s.s.
6 2	4" AISI316 s.s.

	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

(SP step=1,6mm)

SANITARY FITTING

CLAMP "3A" CONFORM

7 1	DN25 (1") AISI316L s.s.
7 3	DN38 (1 1/2") AISI316L s.s.
7 5	DN51 (2") AISI316L s.s.

DN	A	E
25 (1")	50.5	49
38 (1 ½")	50.5	49
51 (2")	64	49

DIN 11851

2 0	NW25 AISI304L s.s.
2 1	NW40 AISI304L s.s.
2 2	NW50 AISI304L s.s.

NW	B	C	A	E
25	21	52-6	44	35
40	21	65-6	56	35
50	22	78-6	68	35

ACCESSORIES extra -code

SEAL RING

PIPE FOR CLAMP

WING-NUT

SPECIAL

| 9 9 | Special |

CLS8

ROPE ELECTRODE TYPE AND INSULATION+COUNTERWEIGHT FIXING
COLLAR IN AISI 316 AND L ELECTRODE LENGTH price per meter (rope)

Code: **CLS8**

B 8 1

2.5mm
PVC insulated
counterweight in AISI 316

2.5
5
115
ø10
ø20
L

C 8 2

2.5mm
PTFE insulated
counterweight in AISI 316

2.5
5
115
ø10
ø20
L

L 8 1

2.5mm
PVC insulated
counterweight in PVC

2.5
5
115
50
ø10
ø20
L

M 8 2

2.5mm
PTFE insulated
counterweight in PTFE

2.5
5
115
50
ø10
ø20
L

Z 9 9
Special

LEKTRA

CLS8

A	Standard	L1= see tab.	C	AISI316	L1=_____
B	Carbon stell	L1=_____	Z	Special	L1=_____

Standard	
I	37mm
II	50mm
III	0mm
IV	50-b(*)
V	0mm
(*) see flange tables	

PTFE insulated

PVC insulated

KEMA CERTIFICATE   ISO 9001:2000

documentation subject to technical change with no prior warning