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CLS4 Capacitance ON-OFF rod sensor

Capacitance ON-OFF rod sensor, general purpose ON-OFF rod sensor for liquids, IP65 protection, top and lateral tank mounting.

ORDERING INFORMATION (Example) **CLS4** B 7 3 B 2 1 H 4 6 A

- ***Version*** — *Compact*
- ***Electronic preamplifier*** — *TC7 3R Local calibration 24Vdc 31 Relay out for 3 adjustable set-point*
- ***IP65 Head connection enclosure*** — *PC polycarbonate loaded*
- ***Process connection*** — *Sanitary DN40 DIN 11851 AISI 304L*
- ***Electrode type and insulation*** — *PTFE totally insulated*
- ***L electrode length , price each 100mm*** — *PTFE totally insulated*
- ***L1 non sensitive part , material and price per each 100mm*** — *Standard*

VERSION — Code: CLS4☐☐☐☐☐☐☐☐☐☐

Electrode only — **A** — Without insert preamplifier

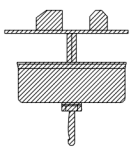
Compact — **B** — Electrode + Insert

Compact + carbon-steel Spacer-cooling-fins — **D** — Compact + AISI316 Spacer-cooling-fins — **F**

Separate version — **H** — IP65 insert head — DIN B alluminium electrode head 1.5 mt coaxcable

INSERT PREAMPLIFIER — Code: CLS4☐☐☐☐☐☐☐☐☐☐

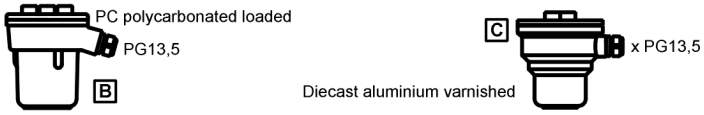
- 0 0 Insert = none
- 3 3 Insert = TL31R 24Vdc
- 3 4 Insert = TL31R 24Vac
- 3 5 Insert = TL31R 115 Vac
- 3 6 Insert = TI31R 230 Vac
- 7 3 Insert = TC7 3R 24Vdc
- 3 0 Insert = TC30



IP65 HEAD CONNECTION — Code: CLS4☐☐☐☐☐☐☐☐☐☐

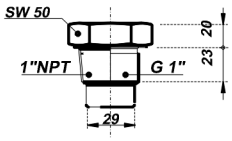
PC polycarbonated loaded — PG13,5 — **B**

C — Diecast aluminium varnished — x PG13,5

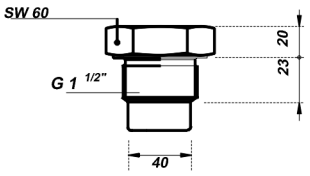


PROCESS CONNECTION — Code: CLS4☐☐☐☐☐☐☐☐☐☐

THREADED



- 0 1 G 1“ Carbon Steel
- 0 2 G 1“ AISI316
- 0 3 1“ NPT Carb. Steel
- 0 4 1“ NPT AISI316



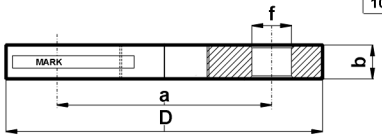
- 1 1 G 1 1/2“ Carbon Steel
- 1 2 G 1 1/2“ AISI316
- 1 8 G 1 1/2“ PVC
- 1 9 G 1 1/2“ PTFE

FLANGED

UNI 6091-67 PN6

- 4 0 DN40 PVC
- 4 1 DN40 PTFE
- 4 2 DN40 Carb.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



UNI 6093-67 PN16

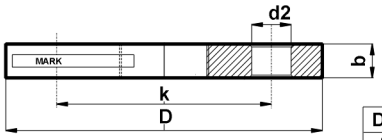
- 5 0 DN40 AISI304
- 5 1 DN40 AISI316

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

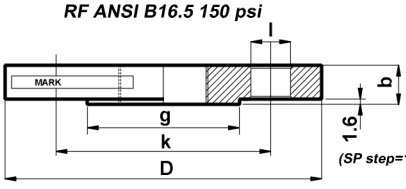
DN	D	b	k	d2	Holes
50	165	18	125	18	4
80	200	18	160	18	8
100	220	18	180	18	8



RF ANSI B16.5 150 psi

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

	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



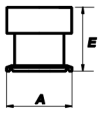
(SP step=1,6mm)

SANITARY FITTING

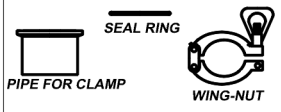
CLAMP “3A” CONFORM

- 7 0 DN25 (1“) Carb. Steel
- 7 1 DN25 (1“) AISI316L
- 7 2 DN38 (1 1/2“)Carb.Steel
- 7 3 DN38 (1 1/2“) AISI316L
- 7 4 DN51 (2“) Carb. Steel
- 7 5 DN51 (2“) AISI316L

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

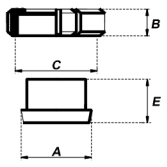


ACCESSORIES extra -code



DIN 11851

- 2 0 NW25 AISI304L
- 2 1 NW40 AISI304L
- 2 2 NW50 AISI304L



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

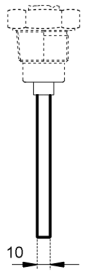
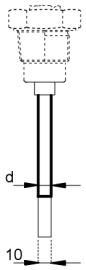
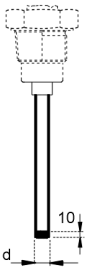
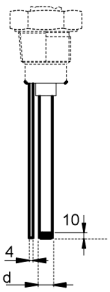
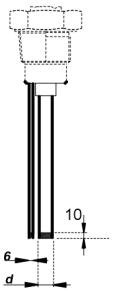
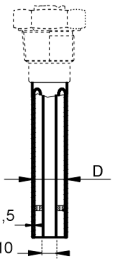
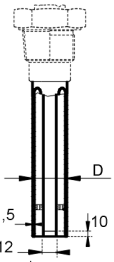
LEKTRA

applied solutions for the application

CLS4

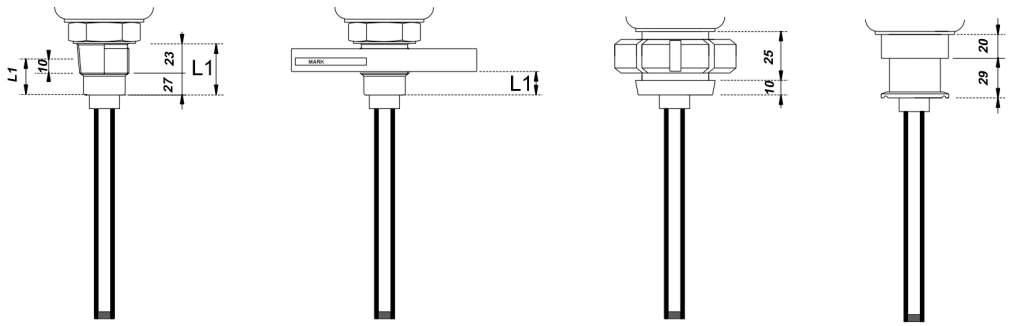
ELECTRODE TYPE AND INSULATION

Code: **CLS4** ☐☐☐☐☐☐☐☐☐☐

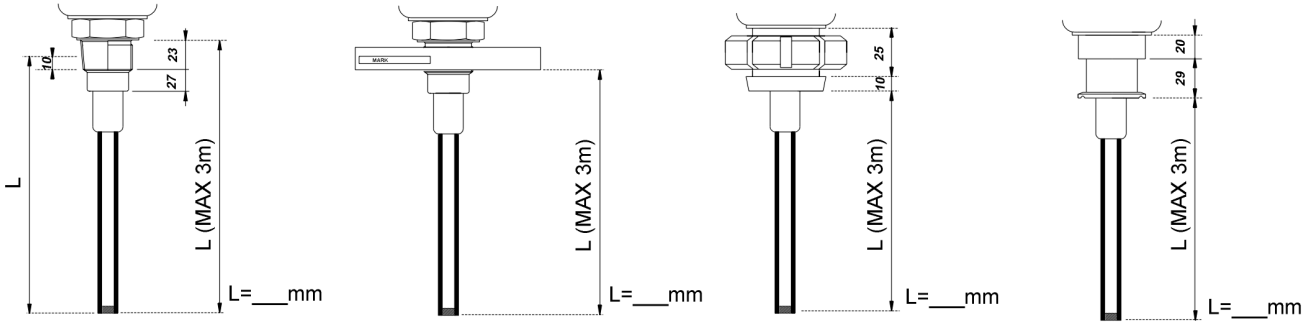
AISI 316 rod	*PVC partially insulated*	*PVC totally insulated*	*PVC totally insulated + AISI 316 rod reference rod*	*PVC totally insulated + PVC totally insulated reference rod*	*AISI 316 rod + Carbon-steel concentric reference electrode*	*PVC insulated rod + Carbon-steel concentric reference electrode*	*PVC insulated rod + AISI 316 concentric reference electrode*
B 4 0	C 4 1	D 4 2	E 4 3	F 4 4	M 5 0	N 5 1	R 5 4
	PTFE partially insulated	*PTFE totally insulated*	*PTFE totally insulated + AISI 316 reference rod*	*PTFE totally insulated + PTFE totally insulated reference rod*	*AISI 316 rod + AISI 316 concentric reference electrode*	*PTFE insulated rod + Carbon-steel concentric reference electrode*	*PTFE insulated rod + AISI 316 concentric reference electrode*
	G 4 5	H 4 6	I 4 7	L 4 8	Q 5 3	P 5 2	S 5 5
							
	d=12.4 ±0.2 PTFE d=14.0 ±0.2 PVC				D=34mm - 1½" thread D=22mm - 1" thread	D=34mm - 1½" thread D=22mm - 1" thread	

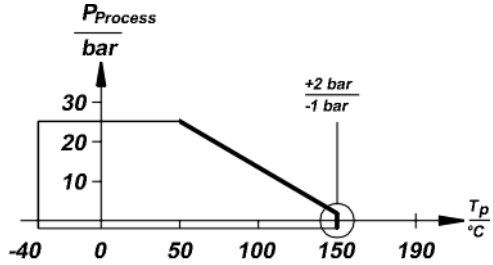
L1 - NON SENSITIVE PART

Code: **CLS4** ☐☐☐☐☐☐☐☐☐☐

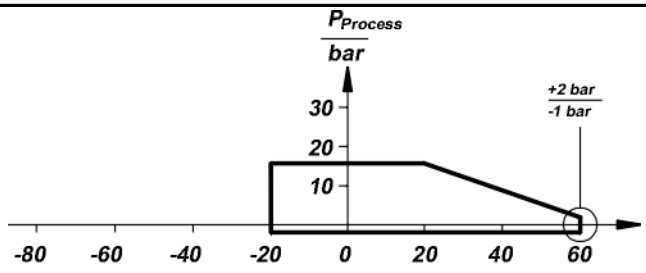


- A Standard L1=50mm
- B Carb. Steel L1=_____
- C AISI316 L1=_____





PTFE Insulated



PVC Insulated

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