

According to your requirements we will specify the appropriate CLS level transmitter, free of charge and without any obligation. Please return a copy of this specification sheet completed with the relevant information.

Company _____

Street _____

City _____

From _____ Dept. _____

Phone/Fax No. _____ / _____

Project _____



In order to guarantee reliable functioning of the level transmitter, the criterias marked **X** must absolutely be filled-in and specified as completely as possible.

Process Data

X Vessel material _____

X Lining of vessel wall yes no

X Mounting nozzle for probe

 G 1" G 1½" L _____
 NPT 1" NPT 1½" L _____
 flange DN _____ PN _____ L _____

X Calibration 0 and 100 % possible? yes no

Pre-calibration required yes no

Application

Quantity _____ units per year

X Measurement continuous On/Off

Smart (HART protocol) yes no

Mounting top mounted

X Liquid _____

Concentration _____ %

Viscosity _____ mm²/s

Di-electric constant _____ ε_r

Change of ε_r during process? yes no

Adhesive no partial strong

X Conductivity <0,05μS/cm 0,05-500μS/cm

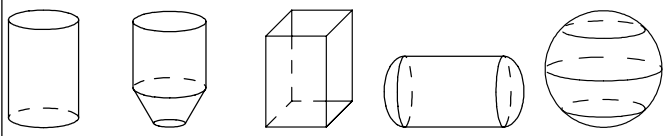
>500μS/cm

X Toxic yes no

Bulk materials see spec. sheet LSDR03E

Sketch

tank shape / dimensions (m)


 ø _____ L _____ B _____ H _____

Operating pressure _____ bar atmos. **X**

Operating temperature _____ °C **X**

Ambient temperature _____ °C **X**

Measuring/mounting length _____ mm _____ mm

fixed adapted on site

Clearance above o.k.?  yes no

Supply voltage 24 VDC
 _____ VAC _____ VDC

Ex requirements yes zone _____ no **X**

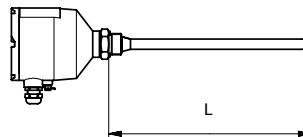
Approvals EEx ia IIC T6 _____

Overfill protection yes acc.to _____ no **X**

Remarks _____

Type Code

Pos.	Type	Description	Price																																																		
1	Type of probe																																																				
	K	Rod probe																																																			
	C	Rod probe EEx ia IIC T6, PTB No. Ex-97.D.2023 X																																																			
	Z	Rod probe EEx ia IIC T6, ASEV 97.1 10339 X																																																			
	T	Cable probe for liquids																																																			
	R	Cable probe for liquids EEx ia IIC T6, PTB No. Ex-97.D.2023 X																																																			
	Q	Cable probe for liquids EEx ia IIC T6, ASEV 97.1 10339 X																																																			
2	Housing / Electronic	Transmitter	Housing																																																		
	M	4-20 mA direct																																																			
	N	4-20 mA direct	temperature intermediary 1.4301																																																		
	P	4-20 mA direct	temperature intermediary PC (polycarbonate)																																																		
	A	4-20 mA / Smart																																																			
	B	4-20 mA / Smart	temperature intermediary 1.4301																																																		
	C	4-20 mA / Smart	temperature intermediary PC (polycarbonate)																																																		
3/4	Mounting element	Thread connection																																																			
	AA	G 1½" (standard for flange with earth electrode)																																																			
	AB	NPT 1½"																																																			
	BA	G 1"																																																			
	BB	NPT 1" (standard for flange)																																																			
	Flanges	DIN 2527	ANSI B16.5																																																		
		<table border="1"> <thead> <tr> <th>PN DN</th> <th>16</th> <th>40</th> <th>64</th> <th>100</th> </tr> </thead> <tbody> <tr> <td>50</td> <td>B1</td> <td>B2</td> <td>B3</td> <td>B4</td> </tr> <tr> <td>65</td> <td>C1</td> <td>C2</td> <td>C3</td> <td>C4</td> </tr> <tr> <td>80</td> <td>D1</td> <td>D2</td> <td>D3</td> <td>D4</td> </tr> <tr> <td>100</td> <td>E1</td> <td>E2</td> <td>E3</td> <td>E4</td> </tr> </tbody> </table>	PN DN	16	40	64	100	50	B1	B2	B3	B4	65	C1	C2	C3	C4	80	D1	D2	D3	D4	100	E1	E2	E3	E4	<table border="1"> <thead> <tr> <th>PN DN</th> <th>cl.150</th> <th>cl.300</th> <th>cl.400</th> <th>cl.600</th> </tr> </thead> <tbody> <tr> <td>2"</td> <td>H1</td> <td>H2</td> <td>H3</td> <td>H4</td> </tr> <tr> <td>2½"</td> <td>K1</td> <td>K2</td> <td>K3</td> <td>K4</td> </tr> <tr> <td>3"</td> <td>L1</td> <td>L2</td> <td>L3</td> <td>L4</td> </tr> <tr> <td>4"</td> <td>M1</td> <td>M2</td> <td>M3</td> <td>M4</td> </tr> </tbody> </table>	PN DN	cl.150	cl.300	cl.400	cl.600	2"	H1	H2	H3	H4	2½"	K1	K2	K3	K4	3"	L1	L2	L3	L4	4"	M1	M2	M3	M4
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5	Material for mounting element																																																				
	1	1.4435 / 1.4571 (316L/316Ti)																																																			
	5	PVDF (only G 1½")																																																			
	8	Hastelloy 2.4819																																																			
6	Probe material		Casing/cable probe																																																		
	B	Rod probe fully insulated	PTFE / SS																																																		
	C	Rod probe fully insulated	PTFE / Hastelloy																																																		
	B	Cable probe partly insulated	PTFE / Hastelloy																																																		
	D	Cable probe fully insulated	PTFE / FEP / SS																																																		
7	Reference probe																																																				
	A	Without																																																			
	C	Concentric tube SS 1.4435 (1.4571)																																																			
	D	Concentric tube Hastelloy 2.4610																																																			
	F	Earth electrode SS 1.4435 (1.4571) (G 1½" or NPT 1½")																																																			
	G	Earth electrode Hastelloy 2.4819 (G 1½" or NPT 1½")																																																			
	Gravity weight																																																				
	H	Gravity weight 1.4435, to partly insulated cable probe																																																			
	K	Gravity weight 1.4435, to fully insulated cable probe																																																			
	L	Gravity weight 1.4435, ECTFE coated, to fully insulated cable probe																																																			
8-11	Mounting length L xxxx	Rod probe, data in mm (0100 to 4000) Cable probe, data in cm (0100 to 2000)																																																			
12-15	Special design																																																				
	Cxxx	Customer requirements																																																			
	K200	Condensate shield standard length 200 mm																																																			
	Kxxx	Condensate shield special length in mm (100...999)																																																			



Total price _____

Specified level transmitter

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15

Position
Type