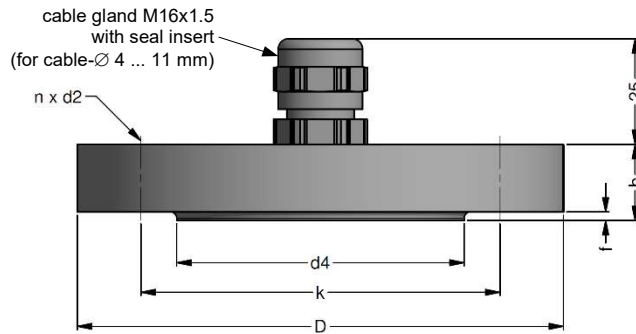


DCL 531i

Precision Stainless Steel Probe with RS485 Modbus RTU

Accessories

Mounting flange with cable gland



dimensions in mm			
size	DN25 / PN40	DN50 / PN40	DN80 / PN16
b	18	20	20
D	115	165	200
d2	14	18	18
d4	68	102	138
f	2	3	3
k	85	125	160
n	4	4	8

Technical data

Suitable for	all probes		
Flange material	stainless steel 1.4404 (316L)		
Material of cable gland	standard: brass, nickel plated on request: stainless steel 1.4305 (303); plastic		
Seal insert	material: TPE (ingress protection IP 68)		
Hole pattern	according to DIN 2507		
Ordering type	Ordering code	Weight	
DN25 / PN40 with cable gland brass, nickel plated	ZMF2540	1.4 kg	
DN50 / PN40 with cable gland brass, nickel plated	ZMF5040	3.2 kg	
DN80 / PN16 with cable gland brass, nickel plated	ZMF8016	4.8 kg	

Terminal clamp



Technical data

Suitable for	all probes with cable Ø 5.5 ... 10.5 mm		
Material of housing	standard: steel, zinc plated optionally: stainless steel 1.4301 (304)		
Material of clamping jaws	PA (fibre-glass reinforced)		
Dimensions (mm)	174 x 45 x 32		
Hook diameter	20 mm		
Ordering type	Ordering code	Weight	
Terminal clamp, steel, zinc plated	Z100528	approx. 160 g	
Terminal clamp, stainless steel 1.4301 (304)	Z100527		

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DCL531i_E_160924

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BD|SENSORS
pressure measurement

Ordering code DCL 531i

DCL 531i

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Pressure																			
	in bar	4	5	0															
	in mH ₂ O	4	5	1															
Input	[mH ₂ O]																		
	[bar]																		
	1.0	0.10			1	0	0	0											
	1.6	0.16			1	6	0	0											
	2.5	0.25			2	5	0	0											
	4.0	0.40			4	0	0	0											
	6.0	0.60			6	0	0	0											
	10	1.0			1	0	0	1											
	16	1.6			1	6	0	1											
	25	2.5			2	5	0	1											
	40	4.0			4	0	0	1											
	60	6.0			6	0	0	1											
	100	10			1	0	0	2											
	160	16			1	6	0	2											
	250	25			2	5	0	2											
	customer				9	9	9	9											consult
Housing																			
	stainless steel 1.4404 (316L)								1										
	customer								9										consult
Diaphragm																			
	stainless steel 1.4435 (316L)									1									
	customer									9									consult
Output																			
	RS485 Modbus RTU										L5								
Seals																			
	FKM											1							
	EPDM												3						
	customer													9					consult
Accuracy																			
	standard for p _N ≥ 0.25 bar:	0.10 % FSO												1					
	standard for p _N < 0.25 bar:	0.25 % FSO													2				
	customer														9				consult
Electrical connection																			
	PUR-cable (black, Ø 7.4 mm) ¹														2				
	FEP-cable (black, Ø 7.4 mm) ¹															3			
	customer															9			consult
Cable length																			
	in m																		
Special version																			
	standard															1	1	1	
	customer															9	9	9	consult

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¹ shielded cable with integrated ventilation tube for atmospheric pressure reference