



Bourdon Tube Pressure Gauges DRCE

Application	For use with gases, liquids, low viscosity measuring mediums, under aggressive ambient conditions up to 60°C. With liquid filling for measuring points subject to vibrations and high dynamic pressure loads, no formation of condensation.
Pressure ranges	1.6 bar to 1000 bar
Range of application	For static pressure 100%, for dynamic pressure 90% of full scale
Accuracy	Cl. 1.0 DIN 16005 or EN 837-1
Ambient temperature	-20 ... 60°C
Execution	DIN 16064 or EN 837-1
Movement	CrNi-stainless steel
Dial	DIN 16109, 16128, EN 837-1 for graduation marking and layout see D0.305.1
Pointer	Aluminium, black DIN 16099
Window	Multi-layer-safety glass
Case	Stainless steel, blow out hole at rear, prepared for filling with damping liquid
Protection	IP 65 (EN 60529 / IEC 529)



Selection chart

Ordering code	DRxx 100 / xxx.xxx		
Type			
Standard	4	DRCE	
with liquid filled case	1	DROE	
Paraffin	1		
Nominal size			
NS 100	100		
Case			
Stainless steel 1.4301, bright drawn	8		
Structural shape			
Direct mounting, without flange	1		
Wall mounting, 3 brackets	3		
Panel mounting B	4		
Connection			
Bottom	1		
Lower back	3		
Scale			
Standard	1		
Measuring element			
Stainless steel 1.4571	(E)	33	
Special designs and auxiliary units			
For separators see separate catalogue			

Range				
Order No.	bar	Measur. element	Order No.	Measur. element
035	0 ... 1.6 ¹⁾	E	505	-1.0 ... 0.6 ⁴⁾ E
045	0 ... 2.5	E	515	-1.0 ... 1.5 E
055	0 ... 4	E	525	-1 ... 3 E
065	0 ... 6	E	535	-1 ... 5 E
075	0 ... 10	E	545	-1 ... 9 E
085	0 ... 16	E	555	-1 ... 15 E
095	0 ... 25	E		
105	0 ... 40	E		
115	0 ... 60	E		
125	0 ... 100	E		
135	0 ... 160	E		
145	0 ... 250	E		
155	0 ... 400	E		
165	0 ... 600	E		
175	0 ... 1000 ²⁾	E		

- Notes:
- 1) Ordering code for contact function, see also data sheet D0.0001 E, D0.105 and D0.110 E
 - 2) Ordering code for electric connection, see also data sheet D0.405 E
 - 3) Attention! Gauges not intended to be liquid-filled
 - 4) 75% F.S.D. for normal steady pressures of slow dynamic pressure changes, 66% F.S.D. for rapid changing dynamic pressure
 - 5) 75% F.S.D. for normal steady pressures of slow dynamic pressure changes, 66% F.S.D. for rapid changing dynamic pressure



Contact version

Slow action contact*	Magnetic spring contact	Inductive contact contact	Inductive contact with Safety sensors «SN»	Electric Connection
4001 4011	5001 5011	8001 8011	8001/8801 8011/8801	4710 Connecting box (standard)
4002 4012	5002 5012	8002 8012	8002/8801 8012/8801	4712 Plug
4004 4021	5003 5021	8021	8021/8801	4726 Plug acc. DIN 43651
4022	5022	8022	8022/8801	

* Only for type DRCE

Dimensions

**Direct Mounting
(without flange)**

**Standard
Connection box
Order No. 4710**

**Optional
Plug
Order No. 4712**

**Wall Mounting
(3 brackets)**

**Panel Mounting B
3 fixation elements**

Panel cutout NS + 2 mm

Accessories

Plug J 70035.0020 (screw fixing)
Plug J 70035.0010 (crimp fixing)

**Optional
connection with plug
Order No. 4726**

Connection Standard G1/2 acc. DIN 16288 or EN 837 part 1 (Washers acc. DIN 16258 or EN 837 part 1, see data sheet D5.510.2, order no. N 1890)
Option: connection 1/2-14 NPT (order no. 0024)

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