

Heise precision dial gauges

Model CM1, CM3

Nominal size 250 mm

Accuracy: Class 0,1 and 0,25 (EN)

Features

- Rugged solid front construction
- Usable to full scale
- Flushing connection on tube
- Zero adjustment at the front
- Easy access for calibration

Ranges

-1 ... 0 bar up to 0 ... 4000 bar

-30 in. Hg ... 0 psi up to 0 ... 50.000 psi

Applications

Test benches

Calibration laboratories

Maintenance repair shops



Technical specification	CM1	CM3
Dial size [mm] [inch]	250 10	
Construction Housing Ring Zero adjustment	Solid front safety pattern with blow out at the back Hinged In the front ring, screwdriver to be used	
Measuring principle Range [bar]	Bourdon tube 1 1,6 2,5 4 6 10 16 25 40 60 100 160 250 400 600 1000 1600 2500 4000 -1/0 Receiver 0,2/1	
Overpressure limit Pressure type	130 % F.S., short time Gauge, vacuum, compound and absolute	
Process connection	G¼ B male, G½ B male according EN 837, M20x1,5 male, M16x1,5 female ¼ NPT male, ½ NPT male according ANSI/ASME B1.20.1 9/16-18 UNF-2B Aminco (high pressure) Others on request	
Connection location	Lower, back	
Material Pressure connection Tube Case & Ring Window Dial Pointer Movement	Stainless steel 316Ti (1.4571), for ranges ≥ 1000 bar 8940 (1.6511), Beryllium copper (CuBe) for ranges ≤ 2,5 bar, stainless steel 403 (1.4000) Optional beryllium copper for ranges up to 700 bar Cast aluminum, black painted Light green instrument glass Aluminum, black markings on white background, with mirror band to eliminate parallax reading errors Aluminum, black, knife edge Massive single brass rigid casting partly integrated in housing with stainless steel ball bearings	
Accuracy Repeatability Hysteresis Sensitivity	Class 0,1 (0,1 % F.S.) 0,02 % F.S. 0,1 % F.S., for ranges ≤ 1600 bar < 0,1 % of span	Class 0,25 (0,25 % F.S.)
Permissible Ambient temperature Medium temperature Storage temperature Effect	-18 ... 52 °C -18 ... 52 °C -40 ... 65 °C Standard 0,05 % / 10 K	
Protection according EN 60 529/IEC 529	IP40	
Mounting	Stem, flush, optional surface	
Weight [kg]	4,0	
Accessories	Carrying case PVC covered and standard calibration certificate	Optional carrying case PVC covered and standard calibration certificate
Options	DKD certificates, dual scale	

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