

Piston Operated



## FEATURES

- Compact design
- Migrated pressure chambers
- Static pressure up to 200 bar

## APPLICATIONS

- Filtration plants
- Water applications
- Duct & room pressure
- Pumps & Compressors
- Clean room applications

## STANDARD PARAMETERS

Accuracy	4% FS
Ambient temperature	-20...+65°C
Service temperature	100°C max
Pressure limits	Steady pressure and over pressure up to FS value from LO to HI side
Static pressure	100 bar (Optional: 800 bar)

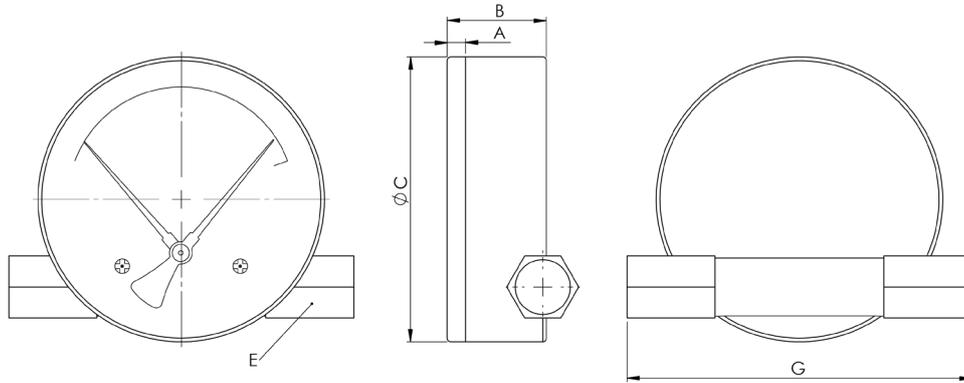
## MATERIAL OF CONSTRUCTION

Sensing element	Piston
Case	Aluminum die casting - Black
Welded parts	AISI 316 SS, Teflon, Ceramic Magnet & SS spring
Dial	Aluminum, black graduation on white background
Pointer	Fix, Aluminum, black powder coated
Window	Polycarbonate (fitted incase)

## STANDARD SPECIFICATIONS

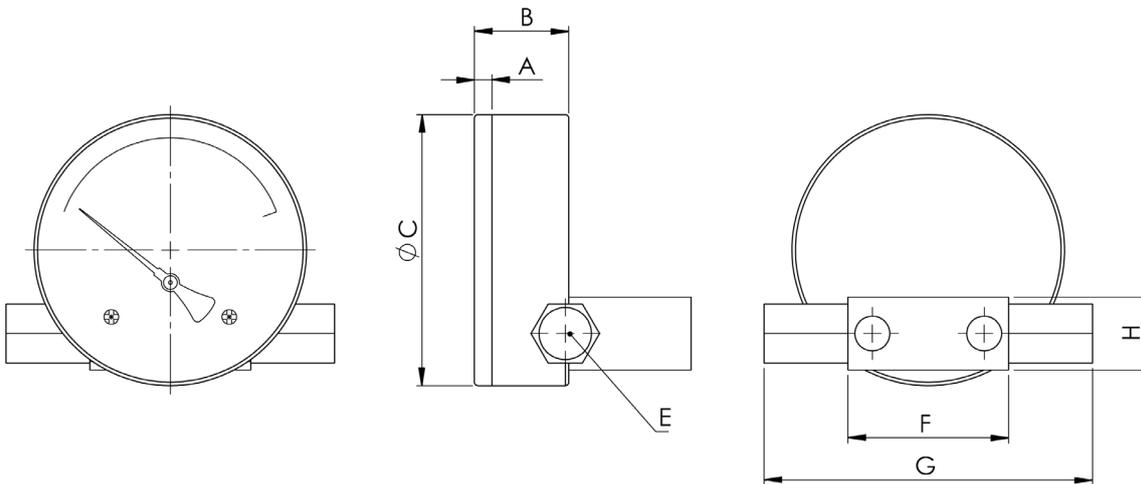
Dial size	DN63 / DN80 / DN100 / DN160
Range	0...400 mbar to 0...10 bar
Mounting pattern	Direct, In-line connection
Process connection	¼" NPT (F) x 2 Nos
Ingress protection	IP 54
Execution	Dry

### Type I



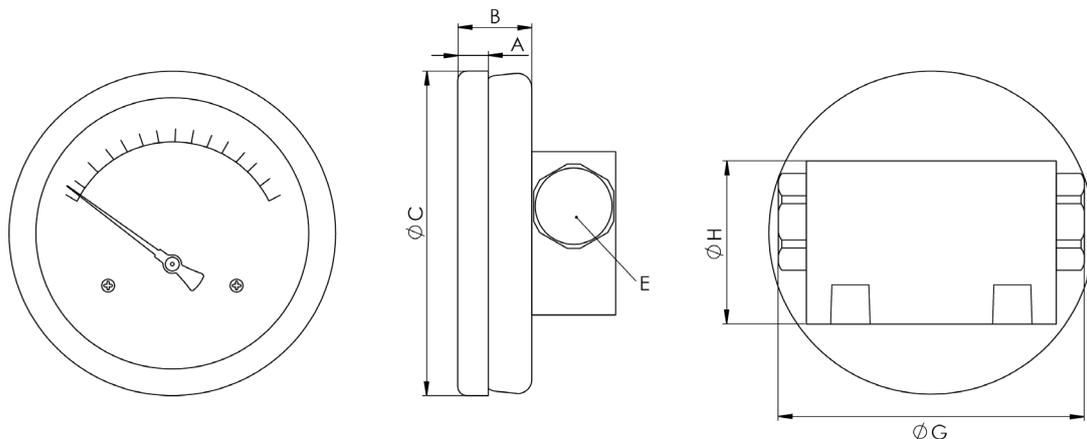
DN	A	B	C	E	G	Weight
80	4	22	78	SW17	94	~230 g

### Type I



DN	A	B	C	E	G	F	H	Weight
100	14	15	156	SW22	125	86	25	~383 g
160	14	27	157	SW22	111	86	25	-

### TYPE A



DN	A	B	C	E	G	H	Weight
100	16.5	29.5	100	SW24	94	50	~926 g

### ORDERING CODES

1. DIAL SIZE		05	6. EXECUTION		EA
03	63 mm / 2½"		EA	Dry	
04	80 mm / 3"		EG	Glycerine oil	
05	100 mm / 4"		EH	Silicon oil	
07	160 mm / 6"				
2. RANGE		XXX	7. OTHER OPTIONS		TA
XXX	Refer "Range Table"		TA	Calibration certificate	
			XG	SS tag plate, AISI 316 SS	
			XF	SS tag plate, AISI 304 SS	
			XR	Custom designed dial	
			XT	Dial tag marking	
			GW	Maximum Reading pointer	
			B7	With 3-Hole front panel	
			SU	Static pressure : 200 bar	
3. MOUNTING PATTERN		A			
A	Direct, Bottom connection				
I	In-line connection				
J	Centre, Back connection				
4. PROCESS CONNECTION		02N			
02B	¼" BSP (F) X 2 Nos.				
02N	¼" NPT (F) X 2 Nos.				
Other thread size and standards available on request					
5. INGRESS PROTECTION		EV			
EV	IP 54				

**Ordering Example:**  
**MT-P200DP-05-XXX-A-02N-EV-EA-TA**

### NOTES

1. Case size is 150mm (D), Case+Ring=160mm (C)
2. For other connections, please contact factory.

**STANDARD RANGES**

RANGE	"bar"	"kg/cm2"	"bar / psi"	RANGE	"psi"	RANGE	"kPa"	RANGE	"MPa"
0...0.6	B01	K01	N01	0...10	S01	0...60	E01	-	-
0...1	B02	K02	N02	0...15	S02	0...100	E02	0...0.1	M02
0...1.6	B03	K03	N03	0...25	S03	0...160	E03	0...0.16	M03
0...2.5	B05	K05	N05	0...35	S05	0...250	E05	0...0.25	M05
0...4	B06	K06	N06	0...60	S06	0...400	E06	0...0.4	M06
0...6	B07	K07	N07	0...100	S07	0...600	E07	0...0.6	M07
0...10	B09	K09	N09	0...150	S09	0...1000	E09	0...1	M09

RANGE	"mbar"	RANGE	"kg/cm2"	RANGE	"psi"	RANGE	"mmH <sub>2</sub> O"
0...400	F17	0...0.4	K69	0...6.0	S59	0...4000	H09
0...600	F19	0...0.6	K01	0...10	S01	0...6000	H10

**NOTES**

1. Other scales & measurement units are available.
2. Equivalent scales available in kg/cm<sup>2</sup>, psi, kPa, MPa, bar/psi, kPa/bar, kPa/psi or any other special scales.
3. Primary scales shall be in «BLACK» and secondary scales shall be «RED».
4. Special scales, custom dial design, OEM/private logo printing is available, details contact our marketing team.