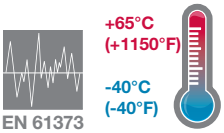
- **Port size: 1/8" & 1/4"**
- **Manufactured & calibrated to maintain accuracy within ASME B40.1 specifications for the published process/ ambient -40 ... +65°C (-40 ... +150°F) temperature limits. Reference temperature is +23°C ±1°C (approx +73°F ± 2°F) as per Section 6.2.1.**

Calibration procedure & accuracy of the gauges is determined by Section 6.2.4 & Table 1.

- **Wide temperature range**
- **Shock and vibration tested to EN 61373, Category 1, class A and B**



Technical features

Medium:
Compressed air, oil and gases or liquids which do not corrode copper alloys
Port connections:
White face scale R1/8
Black face scale 1/8 NPT, 1/4 NPT

Accuracy:
2,5% of full scale
Ambient/Media temperature:
-40 ... +65°C (-40 ... +150°F)
Air supply must be dry enough to avoid ice formation at temperatures below +2°C (+35 °F)

Materials:
Body: ABS, steel
Face: Plastic
Movements: Copper/brass

Center back connection, white face

Symbol	Scale range			Model – Diameter & Connection	
				Ø 40 mm	Ø 50 mm
	bar *1)	MPa	psi	R1/8	R1/8
	0 ... 10	0 ... 1	0 ... 145	18-013-989	18-013-013

*1) primary scale

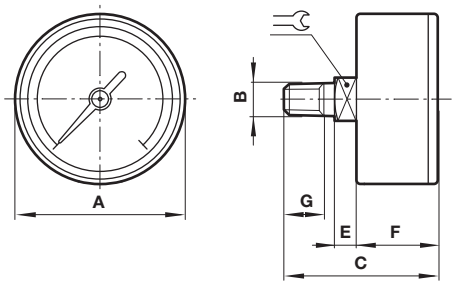
Center back connection, black face

Symbol	Scale range			Model - Diameter & Connection	
				Ø 1.5" (Ø 40 mm)	Ø 2" (Ø 50 mm)
	psig *1)	bar	MPa	1/8 NPT	1/4 NPT
	0 ... 160	0 ... 11	0 ... 1.1	18-013-212	18-013-209

*1) primary scale

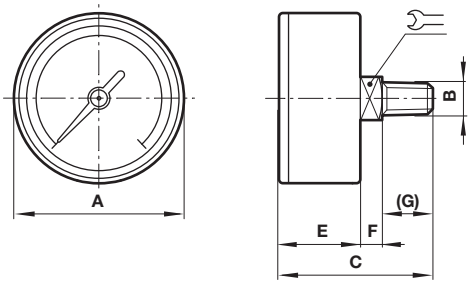
Dimensions

Dimensions in mm
Projection/First angle



Ø A	B	C	E	F	G		Weight (g)
40	R1/8	45	9	26	10	14	49
50	R1/8	50	9	26	14	14	51

Dimensions in inch (mm)
Projection/Third angle



Ø A	B	C	E	F	(G)		Weight (lb)
1.5 (40)	1/8 NPT	1.60 (41)	0.97 (25)	0.23 (6)	0.40 (10)	0.43 (11)	0.12 (54 g)
2 (50)	1/4 NPT	1.73 (44)	1.03 (26)	0.23 (6)	0.47 (12)	0.55 (14)	0.18 (81 g)

Warning

These products are intended for use in industrial compressed air and rail transport systems only. Do not use these products where pressures and temperatures can exceed those listed under **»Technical features/data«**.
Before using these products with fluids other than those specified, for non-industrial applications, life-support systems or other applications not within published specifications, consult IMI NORGREN.

Through misuse, age, or malfunction, components used in fluid power systems can fail in various modes.

The system designer is warned to consider the failure modes of all component parts used in fluid power systems and to provide adequate safeguards to prevent personal injury or damage to equipment in the event of such failure.
System designers must provide a warning to end users in the system instructional manual if protection against a failure mode cannot be adequately provided.
System designers and end users are cautioned to review specific warnings found in instruction sheets packed and shipped with these products.