

Bourdon Tube Pressure Gauges

U2CG X-3

Liquid Filled Utility Pressure Gauge

Standard Versions

Used in hydraulic and pneumatic systems, compressors regulators and machine builders. Suitable for fluid or gaseous media which does not clog connection port or corrode stainless steel. It is intended for serve service conditions where pulsation or vibration exist

Accuracy (EN 837-1)

Ø40 (1.5"): ±2.5%F.S.

Ø50 (2"), Ø63 (2.5"), Ø75 (3"), Ø100 (4"): ±1.6%F.S.

Case

Stainless steel case and crimped ring

Case Filling

for model U2CG X-3: glycerine filled

Operating Temperature

Ambient: -20°C to 60°C (-4°F to 140°F)

Media: Max. 60°C (140°F)

Service Fluid

Compatible gases and liquids

Nominal Case Size

X: Ø40, 50, 63, 75, 100 (mm) (1.5", 2", 2.5", 3", 4")

Wetted Parts

Type -1: Connection: stainless steel
Bourdon tube: stainless steel

Case Configuration

Connection: screwed
Position of the connection: bottom connection, optional back connection (rm)
Mounting device: bottom lower with back flange wall mounting (Rh), centre back with front flange panel mounting (rmFr), lower with U-clamp panel mounting (rmBFr)

Pressure Ranges (EN 837-1)

Vacuum:	-30"Hg/0	-1/0 bar
Compound:	-30"Hg/0/200 psi	-1/0/14 bar
Pressure:	0/15 psi/10,000 psi	0/1 bar/ 700 bar

Working Pressure

Steady: ¾ of full scale
Fluctuating: of full scale
Short time: full scale

Process Connection

Stainless Steel: " for Ø40mm
¼" for Ø50mm, Ø63mm, Ø75mm
½" for Ø100mm
BSP, BSPT, NPT or metric thread

Bourden Tube

Stainless steel: -30"Hg/800 psi (C-Type)
800 psi/ 10,000 psi (Coil-Type)

Window

Polycarbonate

Movement

Stainless steel



Dial

Aluminum, black or black/red figures, white background

Pointer

Aluminum, black

Ordering Information, Standard Pressure Ranges, Options

see page 2

Special Versions and further Options among others

- Other scales/ranges
- Customer logo on dial
- Other process connections
- Scale unit can use kPa, MPa, kgf/cm², kg/cm², torr, atm
- Rubber cover available for 40mm, 50mm, 63mm, 75mm, 100mm
- Liquid inside can be changed to be silicon oil
- Liquid inside can be filled by customer
- Fill cap can be changed to be with tip
- Enquiry to sales@itiuk.com



INSTRUMENTS TO INDUSTRY LTD

Euro Works - Hawksley Industrial Estate - Hawksley Street
Oldham - OL8 4PQ - United Kingdom

Instruments To
Industry Ltd

T: +44 (0)161 652 7741

F: +44 (0)161 621 0389

E: sales@itiuk.com

W: www.itiuk.com

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10/16

Case Configuration, and Code Letters

Lower connection

Centre back connection

No mounting device

(no additional code letter)



code letter: **rm**



Back flange for wall mounting

code letters: **Rh**



Front flange for panel mounting

code letters: **rmFr**



U-clamp for panel mounting

code letters: **rmBFr**



Can be customised with your name/logo markings on dial. For further information email: sales@itiuk.com

