

Pressure Gauge  
with Integral  
Instrument Valve



**WIKA – your partner for pressure and temperature measurement.**

- WIKA owned sales and service centres in more than 33 countries throughout the world
- Over 30 million pressure and temperature gauges manufactured and sold each year
- Electrical temperature solutions - UK manufacturing Quickshop
- Pressure transmitters - UK stock
- Diaphragm seal solutions - UK manufacturing capability
- Pressure and temperature calibration equipment and service - UK calibration laboratory
- Professional documentation support
- WIKA have the largest pressure and temperature gauge stock in the UK for next day delivery
- Envirogauge assembled and tested in our UK service centre

# Envirogauge taking Responsibility

**WIKA Agent Partners – providing local support and service:**

BKW Instruments Ltd, Manchester [www.bkwinstruments.co.uk](http://www.bkwinstruments.co.uk)  
JWF Process Solutions, Glasgow [www.jwftd.com](http://www.jwftd.com)  
ITL, Dublin [www.itl.ie](http://www.itl.ie)  
H.R.Ayton, Belfast [www.hrayton.com](http://www.hrayton.com)

**WIKA Instruments Limited**

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Fax: 01737 644403

[www.wika.co.uk](http://www.wika.co.uk)



Part of your business

# Envirogauge taking Responsibility



Part of your business

# Reducing emissions

WIKA have reduced the traditional potential leak paths from 3 to 1 for a pressure gauge, swivel adaptor and isolation valve, through a special design which integrates the pressure gauge and the valve. The benefits of reducing leak paths from 3 to 1 significantly lowers the risk of fugitive emissions and release of product into the environment.



Built-in over pressure protection in the gauge is an option (normally up to 4 times scale range). This provides further reduction of leak paths and potential reduction in fugitive emissions as an 'Over-range Protector' is not necessary.

## Key features:

- Leak path reduction from 3 to 1
- Metal to Metal sealing, no gaskets or O rings required
- Compact assembly – prevents 'Christmas tree' effect on pipe work
- Reduced assembly and commissioning time
- Ranges between 0-1 Bar and 0-600 Bar
- Venting Facility
- Accuracy  $\pm 1\%$  FSD
- Hydrostatically tested assembly
- 360 Deg. Orientation
- Pressure Rated Assembly 690 Bar (10,000 psi)
- Operating Temperature up to 200 Deg C
- Stainless Steel to NACE or Monel Wetted parts
- Safety Pattern Design

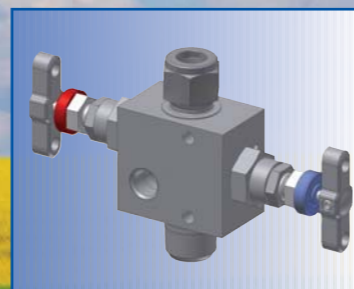
## Available options:

- Higher pressure ranges
- Calibration Certificate to EN 10204 3.1
- Material Certificate to EN 10204 3.1
- NACE ISO 15156
- Hydrostatic Test Certificate
- Helium Leak Tested Assembly  $10^{-5}$  l/s
- Case Diameter 100mm or 160mm
- Liquid Filled Case
- Various Scale Units
- Accuracy Class 0.5% to ANSI B40.1

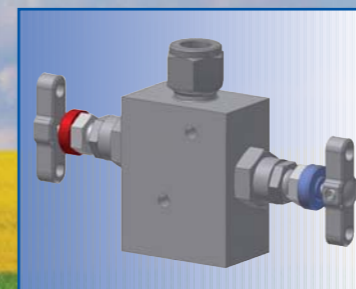
## WIKA the One-Stop-Solution

Purchasing the gauge and valve from WIKA reduces vendor lists and indirect purchasing costs.

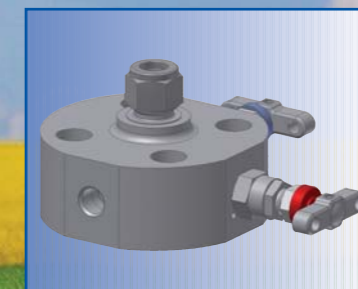
## Process connection options



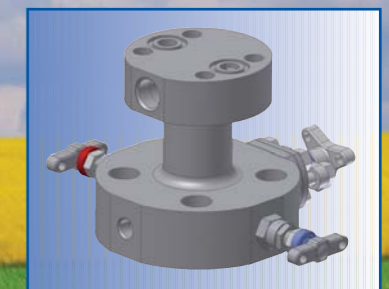
Threaded male



Threaded female



Monoflange with no threads



Integral diaphragm protection

Envirogauge – helping the oil and gas industry, process plants and power stations to reduce leak paths and therefore potential fugitive emissions in accordance with EU's IPPC Directive 96/61/EU