

WRH ACTIVE HOT CATHODE PIRANI GAUGE

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The active Hot Cathode wide range gauge (WRH) offers the ability to measure from atmosphere to 10^{-10} mbar with a single gauge, with accuracy and repeatability.

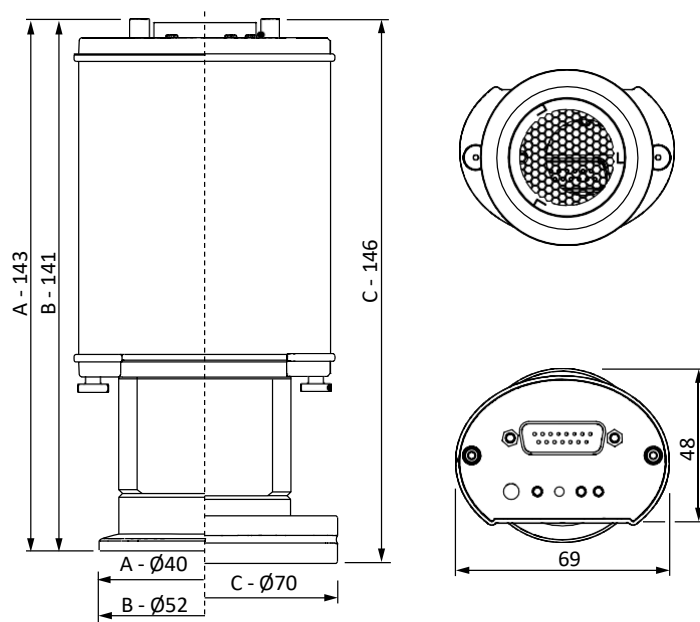
The WRH gauge utilises 2 measurement methods (bayard-alpert & pirani) in a single package, giving you everything you need to measure and control your system. With analogue and RS485 output available via the D-SUB connector, 2 onboard relays and easy calibration, control and monitoring is simple. Utilising the included software, you can easily track and log your system's performance and also make adjustments to the gauges behaviour, such as setting the set points or changing the output scaling. This gauge is the perfect companion for many applications, from R&D institutes to high end mass spectrometry and through to general industry.

FEATURES AND BENEFITS

- All in one wide pressure measurement
- Dedicated software package included to allow full control/monitoring/modification
- Bakeable up to 180°C
- Analogue and RS485 output on same gauge
- LED status indicators
- 2 adjustable set points



DIMENSIONS



A = D14750100

B = D14750110

C = D14750120

TECHNICAL DATA

WRH	
Measuring range	1000 – 5x10 ⁻¹⁰ mbar
Accuracy	1000 to 10 mbar ± 30%, 10 to 1x10 ⁻⁸ mbar: ± 10%
Repeatability	10 to 1x10 ⁻² mbar ± 2%, 1x10 ⁻² to 1x10 ⁻⁸ mbar: ± 5%
Dimension	141 mm x 69 mm x 55 mm
Weight	0.475 kg
Max overload pressure	4 bar abs.
Materials in contact with vacuum	Stainless steel 1.4307, Tungsten, Nickel, Glass, Platinum, Iridium, Yttrium Oxide
Emission current	9 µA, 100 µA, 1.0 mA, 2.0 mA
Operating temp	+5...+60 °C
Storage temp	40...+65 °C
Bake out temp	Max. 180°C at the flange (voltage supply switched-off)
Voltage supply	20 – 30 VDC
Power consumption	Max. 8 W
Output signal	0 – 10 VDC analogue or RS485
Electrical connection	15 pin D-Sub
Protection class	IP40

ORDERING INFORMATION

Product description	Order number
WRH-NW25	D14750100
WRH-NW40	D14750110
WRH-DN40CF	D14750120
WRH-NW25 Spare sensor	D14750101
WRH-NW40 Spare sensor	D14750111
WRH-DN40CF Spare sensor	D14750121
Instruction manuals	D14750880
WRH to TIC adaptor cable	D14750300

Official Distributor in Australia



EZZI VISION

Vacuum and Thin Film Technology

CONTACT US

T: 1800 GO EZZI

E: sales@ezzivision.com.au

W: ezzivision.com.au

VIC: 13/62 Ramset Drive, Chirnside Park,
VIC 3116, Australia

NSW: Unit 1, 80 O'Riordan St, Alexandria,
NSW 2015, Australia

WA: Unit 11, 24 Baile Road, Canning Vale,
WA 6155 Australia

GLOBAL CONTACTS

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Edwards Ltd, registered in England and Wales
No. 6124750, registered office: Innovation Drive,
Burgess Hill, West Sussex, RH15 9TW, UK.

EMEA

UK

+44 (0) 1444 253 000
(local rate) 0845 921 2223

Belgium

+32 2 300 0730

France

+33 1 4121 1256

Germany

0800 000 1456

Italy

+ 39 02 48 4471

Israel

+ 972 8 681 0633

ASIA PACIFIC

China

+86 400 111 9618

India

+91 20 4075 2222

Japan

+81 47 458 8836

Korea

+82 31 716 7070

Singapore

+65 6546 8408

Taiwan

+886 3758 1000

AMERICAS

USA

+1 800 848 9800

Brazil

+55 11 3952 5000

