

# WINTERS



Since  
1953

*We're There.*



## MEDICAL EQUIPMENT

Winters Instruments offers a wide variety of high quality pressure and temperature instruments for medical equipment applications including oxygen tanks, personal respirators, medical regulators, resuscitators, sterilization equipment and many others.



### PEM Series Economy Gauge\*

All round, general purpose pressure gauge for a variety of medical applications including respirators and regulators.

<b>Dial Size</b>	1.5", 2", 2.5" and 4"
<b>Case</b>	Black Steel case with Brass or Lead-Free Brass socket
<b>Accuracy</b>	±3-2-3% ANSI/ASME Grade B
<b>Range</b>	30" Hg VAC through 5,000 psi/kPa
<b>Connection</b>	1/8" NPT or 1/4" NPT



### PSP Series Spiral Tube Gauge\*

Commonly used for personal and hospital grade oxygen tanks. Manufactured in 'oil free' environment for Oxygen Service with available UL listing.

<b>Dial</b>	1", 1 1/8", 1.25" and 1.5"
<b>Case</b>	Nickel plated brass with Brass or Stainless Steel Socket with Direct Drive Technology or 304 SS
<b>Accuracy</b>	±3-2-3% ANSI/ASME Grade B
<b>Range</b>	60 psi through 5,000 psi
<b>Connection</b>	1/8" NPT standard



### PLP Series Low Pressure Gauge\*

Capsule sensing technology suitable for respiratory and resuscitation equipment. Able to handle both corrosive and non-corrosive gases.

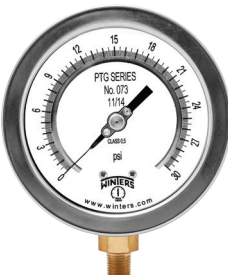
	Stainless Steel	Brass
<b>Dial Size</b>	2.5", 4", 4.5" and 6"	2.5", 4", 4.5" and 6"
<b>Case</b>	304 SS or Aluminium	Steel or Cast Aluminium
<b>Accuracy</b>	±1.6% of full scale	±3-2-3% ANSI/ASME Grade B
<b>Range</b>	Low pressure ranges from 15"H <sub>2</sub> O VAC thru 10 psi/kPa, over-pressure protection available	
<b>Connection</b>	1/4" NPT standard	



### PFD Series Differential Pressure Gauge\*

Low pressure and differential monitoring for air and non-combustible gases including filters, blowers, vacuums, air handlers and clean rooms.

<b>Dial</b>	4"
<b>Case</b>	Die-cast black aluminum
<b>Accuracy</b>	±2% of full scale value
<b>Range</b>	0.25 "H <sub>2</sub> O through 150 "H <sub>2</sub> O
<b>Connection</b>	1/8" NPTF high & low pressure taps, side & back



### PTG Test Gauge\*

Highly accurate pressure test gauge for calibrating and validating test equipment.

<b>Dial</b>	4" and 6"
<b>Case</b>	304 SS
<b>Accuracy</b>	±0.5% ANSI/ASME Grade 2A
<b>Range</b>	30" Hg Vac through 10,000 psi
<b>Connection</b>	1/4" NPT or 1/2" NPT, bottom



### DPG Series Digital Pressure Gauge

Ideal for testing, measurement and general purpose applications.

<b>Case Size</b>	2.5"
<b>LCD Display</b>	2" x 3/4"
<b>Accuracy</b>	±1% (±0.5% optional for gauges up to 10,000 psi)
<b>Range/ Material</b>	-15psi through 15,000psi / ABS with silicon rubber cover
<b>Connection</b>	1/4" NPT 304SS



### LE1 Series Transmitter

Developed for OEM applications. Suitable for a variety of applications including pump and compressor monitoring.

<b>Output</b>	Standard 2-wire: 4-20 mA / Vs = 12-30 Vdc or Optional 3-wire: 0.5-4.5 Vdc / Vs = 10-30 Vdc
<b>Housing</b>	304 SS
<b>Accuracy</b>	±0.5% FSO (±1% FSO for pressures ≤ 45 psi (3 bar))
<b>Range</b>	30" Hg VAC through 8,700psi
<b>Sensor</b>	Ceramic



### TBM Series Bi-Metal Thermometer

All stainless steel construction able to handle the high-temperature requirements of sterilizers and autoclaves.

<b>Dial Size</b>	1", 2", 3", 4", 5" and 6", anti- parallax
<b>Case</b>	304 SS
<b>Accuracy</b>	±1% of full scale
<b>Range</b>	A wide variety of temperature ranges
<b>Connection</b>	1": None 2": 1/4" NPT 3", 4", 5", 6": 1/2" NPT



**Oxygen Cleaning** - Oxygen Cleaning services are available for day-to-day low-volume requirements, as well as high volume OEM requirements. Cleaning for Oxygen Service is best defined as the removal of combustible contaminants from the surface of any equipment or system, including all parts and components. Critical when the instrument is to be used for Oxygen Cleaning.



### Custom Dials

- Available for all makes and models of pressure gauges and industrial thermometers
- All colours are available
- All dials are custom manufactured
- Available for dry or liquid-filled and StabiliZR™ gauges
- Same-day custom dial manufacturing is available



All Winters Instrumentation including diaphragm seals, pressure switches, pressure transmitters, instrumentation valves and accessories are backed by a 5 year warranty against manufacturing and materials defects.

\* **WARNING:** This product can expose you to chemicals including lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov)



# WINTERS INSTRUMENTS

MANUFACTURER OF INDUSTRIAL INSTRUMENTATION



**Winters Instruments is a global manufacturer of premium quality pressure and temperature instrumentation, with distribution partners in over 90 countries. Please contact us for your nearest Regional Manager.**

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