



## SANITARY PRODUCTS



**WINTERS INSTRUMENTS**  
MANUFACTURER OF INDUSTRIAL INSTRUMENTATION



### PPG 3A Pharmaceutical Sanitary Gauge

This pharmaceutical gauge is built to withstand the harshest of sanitary applications. PPG comes standard with a crack and break resistant polycarbonate lens, an external re-zero feature and wetted parts with an Ra=8 microinches finish. The gauge can be cleaned/steamed in place and is autoclavable. PPG is suitable for demanding pharmaceutical applications requiring strict sanitary instrumentation features and 3A approval.

<b>Dial Size</b>	2.5" and 4"
<b>Case</b>	304 SS, polished
<b>Accuracy</b>	±0.75% of full scale
<b>Range</b>	Vac to 600 psi
<b>Connection</b>	1.5" or 2" Tri-Clamp® bottom or back
<b>Ambient Temp.</b>	40°F to 140°F (4°C to 60°C)
<b>Process Temp.</b>	0°F to 250°C (-18°C to 121°C)



### PAG Premium Series 3A Sanitary Gauge

PAG is a stainless steel sanitary gauge that comes standard with a food grade glycerin fill but can also be filled with mineral oil, silicone or Neobee-20. A built in an externally accessible rezero feature is standard. The lens is a 3/16" thick polycarbonate that is crack/break-resistant and wetted parts have an Ra=8 microinches finish. Winters PAG is autoclavable and is designed to be cleaned/steamed in place. PAG is capable of withstanding the harshest of 3A sanitary applications.

<b>Dial Size</b>	2.5" and 4"
<b>Case</b>	304 SS, polished
<b>Accuracy</b>	±0.75% of full scale
<b>Range</b>	Vac to 600 psi
<b>Connection</b>	1.5" or 2" Tri-Clamp® bottom or back
<b>Ambient Temp.</b>	40°F to 140°F (4°C to 60°C)
<b>Process Temp.</b>	0°F to 250°F (-18°C to 121°C)



### PSQ Quality Series Sanitary Gauge

This high quality PSQ Series is a 3A approved gauge and sanitary seal with a Tri-Clamp® connection. The PSQ has a high polish finish and comes with a crack and break resistant polycarbonate lens and wetted parts with an Ra=8 microinches finish. This durable series has been designed to be both cleaned-in-place and steamed-in place. PSQ is ideal for demanding applications in sanitary production facilities.

<b>Dial Size</b>	2.5" and 4"
<b>Case</b>	304 SS, polished
<b>Accuracy</b>	2.5" ±1.5% of full scale, 4" ±1.0% of full scale
<b>Range</b>	Vac to 1,000 psi
<b>Connection</b>	1.5" or 2" Tri-Clamp® bottom or back
<b>Ambient Temp.</b>	40°F to 140°F (4°C to 60°C)
<b>Process Temp.</b>	0°F to 250°C (-18°C to 121°C)



### LST Series Transmitter

The LST is a 316-grade welded stainless steel, NEMA 4X rated transmitter. This 3A approved transmitter is ideal for food processing and pharmaceutical applications where sanitary conditions are a high priority.

<b>Output</b>	2-wire, 4-20 mA
<b>Housing</b>	316L SS
<b>Accuracy</b>	±0.25% ANSI/ASME Grade 3A
<b>Range</b>	200 to 1,000 psi
<b>Connection</b>	316L SS, 1.5" or 2" Tri-Clamp®



### D20 In Line Diaphragm Seal

The D20 is a 3A approved diaphragm that meets the requirements of dairy, food and beverage and pharmaceutical industries. D20 may be attached to any Winters all SS gauge for sanitary installations.

<b>Housing</b>	AISI 316 SS
<b>Diaphragm</b>	AISI 316L SS, Ra=8 microinches finish
<b>Min. Pressure</b>	30 psi (200 kPa)
<b>Max. Pressure</b>	600 psi (4,140 kPa)
<b>Connection</b>	1.5" or 2" Tri-Clamp®



### PFP Series Premium Stainless Steel Liquid Filled Gauge

The PFP is a highly accurate stainless steel liquid filled gauge. Use the PFP in situations where harmful vibration and pulsation are present. PFP is also available with StabiliZR™ pulsation suppression.

<b>Dial Size</b>	2.5", 4", 6"
<b>Case</b>	AISI 304 SS
<b>Accuracy</b>	2.5" ±1.5%, 4" & 6" ±1% of full scale
<b>Range</b>	Vac to 20,000 psi
<b>Connection</b>	2.5" ¼" NPT bottom, back or panel mount, 4" & 6" ¼" or ½" NPT bottom or back



### LE3 Series Transmitter

Winters' LE3 series pressure transmitter is suitable for a variety of general purpose applications, where versatility is required. A wide range of mechanical and electrical connections are available.

<b>Range</b>	Vac to 5,000 psi
<b>Output</b>	2-wire 4-20 mA
<b>Housing</b>	304 SS
<b>Connection</b>	¼" NPT
<b>Accuracy</b>	±0.5% FSO
<b>Sensor</b>	Ceramic



### TBM Series Bi-Metal Thermometer

This 304 stainless steel thermometer with glass lens uses a bi-metallic sensing element for reliable temperature readings. TBM is manufactured with an anti-parallax dial that reduces operator reading errors. TBM comes as a 1" dial pocket thermometer perfect for quick accurate readings, a 2" dial high quality laboratory thermometer and a 3" to 6" dial thermometer ideal for temperature measurement in sanitary installations. An optional acrylic lens making it ideal for food processing applications.

<b>Dial Size</b>	1" to 6"
<b>Case</b>	AISI 304 SS
<b>Accuracy</b>	±1% of full scale
<b>Range</b>	-100°F to 1,000°F (-70°C to 540°C)
<b>Connection</b>	¼" or ½" NPT back, bottom and adjustable angle



### TSN Sanitary Thermowell

Installing a TSN allows for easy installation and replacement of bi-metallic thermometers without draining the process. TSN is 3A approve and specifically designed for the sanitary requirements of the food, dairy and pharmaceutical industries.

<b>Material</b>	316 SS
<b>Bore</b>	.260"
<b>Length</b>	2.5", 4", 6" or 9"
<b>Process Connect.</b>	1.5" or 2" Tri-Clamp®
<b>Therm. Connect.</b>	½" NPT



Tri-Clamp® is a registered trademark of Tri-Clover

# WINTERS INSTRUMENTS

MANUFACTURER OF INDUSTRIAL INSTRUMENTATION



**Winters Instruments operates globally and is distributed in over 80 countries. Please contact us for your nearest Regional Manager.**

**Corporate**

Winters Instruments  
121 Railside Road  
Toronto, Ontario  
M3A 1B2  
Tel: 416-444-2345  
1-800-WINTERS  
Fax: 416-444-8979  
sales@winters.com

**Canada - Calgary**

Winters Instruments  
4116 8th Street SE  
Calgary, Alberta  
T2G 3A7  
Tel: 403-723-6645  
1-800-WINTERS  
Fax: 403-723-6647  
calgary@winters.com

**Asia**

Winters Instruments  
Shanghai WitHub Hi-Tech  
Business Center Suite 311  
No. 333 Hongqiao Road  
Shanghai 200030 China  
Tel: 86-21-6104-2610  
Fax: 86-21-6104-2615  
asiasales@winters.com  
www.wintersasia.com

**USA - Buffalo**

Winters Instruments  
600 Ensminger Road  
Buffalo, New York  
14150  
Tel: 716-874-8700  
1-800-WINTERS  
Fax: 716-874-8800  
usasales@winters.com

**USA - Houston**

Winters Instruments  
10757 Cutten Road, Building 7  
Houston, Texas  
77066  
Tel: 281-880-8607  
1-800-WINTERS  
Fax: 281-880-8614  
usasales@winters.com

**Latin America**

Winters Instruments  
Albarellos 1916 1º Piso  
E3, E4, E5  
B1640BIN, Martinez  
Buenos Aires, Argentina  
Tel: 54-11-4733-3003  
Fax: 54-11-4733-0572  
latinsales@winters.com  
www.winters.com.ar



Distributed by: