





Order from: C A Briggs Company

622 Mary Street; Suite 101; Warminster, PA 18974 Phone: 267-673-8117 - Fax: 267-673-8118 Sales@cabriggs.com - www.cabriggs.com





1. Large and deep product offering

Allows access to many new and different customers

2. High quality products

Worry-free installations with an extremely low defect rate of 0.17%

3. Five year warranty

Covering all instrumentation

4. Servicing all market segments

Covering both the industrial and commercial markets

5. High field support presence

A large number of Regional Sales Managers providing global coverage

6. Distributed globally

Global distribution in over 90 countries through 8 Winters sales and service offices

7. Distributor training events

Ensuring our partners are fully equipped to promote, sell and support our instrumentation

8. Engineering team

Responding to technical RFQs and providing application know-how

9. Regular 3rd party factory audits

Customers and agencies verifying standards and certifications

10. Approvals

Adhering to higher standards: 3A, RoHS, CE, CRN, CSA, FM, ISO 9001, UL

11. Distributor portal

All of our Winters tools at your convenience

12. Global AMLs

Easier acceptance into industrial and commercial projects

13. StabiliZR®

Gauge dampening technology without glycerin filling

14. Strong R&D

Numerous new product launches

15. Platinum service

Front of the line service

16. UPC labelled product and packaging

Fast and simple product identification

17. Comprehensive website and App

Embracing mobile technology

18. Canada's Best Managed Companies Program Winner Since 2017

Recognition for innovation and sustained performance re-enforces Winters' commitment to continuous improvement











	P1S	P3S	P9S/P9U 90 Series	PAG/PSQ 3A Sanitary
Dial Size	3.5" (90mm) 4" (100mm) 4.5" (115mm) 6" (150mm)	4.5" (115mm) 6" (150mm) 8.5" (215mm) 10" (250mm)	1.5" (40mm) 2" (50mm) 2.5" (63mm) 3.5" (90mm)	2.5" (63mm) 4" (100mm)
Tube and Socket	Phosphor bronze/brass*	316L SS/brass*	Phosphor bronze/brass*	316L SS
Connection	1⁄4" NPT	1/4" NPT for 600 psi or lower 1/2" NPT for 1,000 psi or higher	1⁄4" NPT 1⁄8" NPT	0.75", 1.5" or 2" Tri-Clamp®
Range	Vac - 5,000 psi/kPa	Vac - 20,000 psi/kPa	Vac - 600 psi/kPa	Vac - 1,000 psi/bar









	PAM Ammonia PFG Refigeration	PBC Forged Brass Case	PCC Colour Coded	PCG/PRL/PWL/PSP/PUP Compressed Gas
Dial Size	2.5" (63mm), 3.5" (90mm), 4" (100mm), 6" (150mm), 8.5" (215mm), 10" (250mm)	2.5" (63mm) 4" (100mm)	4" (100mm)	1" (25mm) 1.5" (40mm) 2" (50mm) 2.5" (63mm)
Tube and Socket	Bronze Nickel 316L SS	Brass*	Phosphor bronze/brass*	Phosphor bronze/brass*, 304 SS , 316 SS, 316L SS
Connection	1⁄4" NPT	2.5" dial: ¼" NPT 4" dial: ¼", ½" NPT	1/4" NPT or 1/2" NPT standard	1/8" NPT or 1/4" NPT
Range	Vac - 500 psi	Vac - 10,000 psi/kPa	Vac - 20,000 psi/kPa	Vac - 5,000 psi/kPa









	PCT/PCT-LF Contractor	PDT Differential PDX Duplex	PEM/PEM-LF/ PEU Economy	PFD Differential PFD Compact
Dial Size	4.5" (115mm)	4.5" (115mm) 6" (150mm)	1.5" (40mm), 2" (50 mm) 2" (50mm) Pool Gauge 2.5" (63mm) 4" (100mm)	2 1/16" (52.4mm) 4" (100mm)
	Phosphor bronze/brass* or lead free brass	316L SS/phosphor bronze/brass*	Phosphor bronze/brass*	Die-cast aluminum, silicon rubber or Glass filled nylon, black
Connection	1⁄4" NPT	½" NPT	1/8" NPT or 1/4" NPT standard	1/8" NPTF high & low, side & back or 3/16" barbed for ID tubing
Range	Vac - 5,000 psi/kPa	0 - 600 psi	Vac - 5,000 psi/kPa	-0.25 - 150"H ₂ O or 125 - 750 mmH ₂ O

Pressure Gauges













	PFE Sprinkler	PFH / PTS Hydraulic	PFP Industrial PN2 NACE	PFQ/ PFQ-LF Stainless Steel
Dial Size	3.5" (90mm)	2.5" (63mm), 4" (100mm)	2.5" (63mm) 4" (100mm) 4.5" (115mm) 6" (150mm)	1.5" (40mm) 2" (50mm) 2.5" (63mm) 4" (100mm)
Tube and Socket	Phosphor bronze/brass*	Phosphor bronze/ brass*	316L SS/brass*	Brass*/ Lead-free brass/ 316 SS
Connection		1/4" or 1/2" NPT with restricted orifice or tubestub	1/4" NPT, 1/2"NPT, Autoclave®	1/8", 1/4" or 1/2" NPT
Range	0-300 psi/kPa or 0/80/retard-250 psi/kPa	Vac -15,000 psi	Vac - 40,000 psi/kPa	Vac - 15,000 psi/kPa









	PLP Low Pressure	PMN Mining	PPC Process PRC Receiver	PPD/PRD/PSD/PVD Differential
Dial Size	2.5" (63mm) 4" (100mm) 4.5" (115mm) 6" (150mm)	2" (50mm)	4.5" (115mm)	2.5" (63mm) 3.5" (90mm) 4.5" (115mm)
Tube and Socket	316 SS/brass*	Brass*	Brass*/ 316L SS	SS and others
Connection	½" NPT	3/8" Steck-O connection, quick connect	1/4" NPT or 1/2" NPT	1/4" or 1/2" NPT and others
Range	"H ₂ 0 - 10 psi/kPa	0 - 9,000 psi	Vac - 20,000 psi	"H ₂ 0 - 110 psid









	PSC Safety Case	PSG Shaeffer	PTG Test	StabiliZR® Family
Dial Size	4" (100mm) 4.5" (115mm) 6" (150mm)	4" (100mm) 6" (150mm)	4" (100mm) 6" (150mm) Mirror band for precise reading	1.5" (40mm) 2" (50mm) 2.5" (63mm) 4" (100mm) 4.5" (115mm)
Tube and Socket	316L SS	SS/ 316L SS	Brass*/ 316 SS	Phosphor bronze/brass*/ 316 SS/ 316L SS
Connection	1/4" or 1/2" NPT	1/2" NPTM bottom	1/4" or 1/2" NPT	1/8" NPT, 1/4" NPT or 1/2" NPT
Range	Vac - 20,000 psi/kPa	"H ₂ 0 - 300 psi	Vac - 10,000 psi/kPa	Vac - 20,000 psi/kPa













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	PEC	WPS Commercial	1WPS OEM Pressure	2WPS General Purpose and Adjustable Deadband
Features	4" (100mm) all SS with switch	Low pressure differential switch with SPDT	All SS wetted parts	Die cast aluminum housing and SS wetted parts.
Range	Vac - 10,000 psi	0.08 - 16.0 "H ₂ O	3 - 5,000 psi	Low pressure - 4,000 psi
Applications	Light duty montoring and control of pressure lines	Monitoring air filters, ventilation ducts and heat exchangers	Commercial and general industrial installations, and hydraulic installations with high shock and vibration ratings	Pump and compressor monitoring, HVAC systems and general industrial applications











	3WPS Vacuum and Low Pressure
Features	Low pressure monitoring and control
Range	Vac - 10 psi
Applications	Pump and compressor monitoring, HVAC systems and general industrial applications



pressure switch

Low pressure - 100 psi

Pump and compressor
monitoring, HVAC systems and

general industrial applications

Low pressure differential switch with SPDT Low pressure - 300 psi

5WPS Differential

Differential pressure applications including filter monitoring and control

6WPS Explosion Proof and Adjustable Deadband

Heavy duty explosion proof pressure switch

Low pressure - 4,000 psi

Hazardous locations, including oil and gas, petrochemical, power and wastewater















		8/63		
	7WPS Medium Pressure, Explosion Proof and Adjustable Deadband	8WPS Vacuum and Low Pressure Explosion Proof	9WPS Compact Explosion Proof	10WPS General Purpose
Features	Heavy duty explosion proof pressure switch	Heavy duty explosion proof pressure switch	All stainless steel design, CSA and dual-seal approved	Heavy duty explosion proof differential pressure switch
Range	Low pressure to 100 psi	Vacuum to 10 psi	Vac - 10,000 psi	Low pressure - 300-psi
Applications	Hazardous locations, including oil and gas, petrochemical, power and wastewater	Vaccum and low pressure applications in hazardous areas, including natural gas monitoring and control	Hazardous locations, safety panels, gas compressors, turbines and pump skids	Differential pressure applications in hazardous areas, including filter monitoring and control

Pressure Transmitters

















	DPG Digital	LE1 OEM	LE3 General Purpose	LIM Industrial
Features	2.5" (63mm) digital gauge with rubber boot and SS wetted parts	Compact SS with ceramic sensor. Developed for OEM applications.	General industry and OEM applications where versatility and economy are requirements	Heavy duty transmitter with advanced digital electronics and high over-pressure protection
Range	Vac - 15,000 psi	Vac - 2,000 psi	Vac - 10,000 psi	0 - 10,000 psi
Applications	General purpose gauge tester for calibaration	Pump and compressor monitoring, refrigeration and HVAC	All process and automation control, hydraulics and pneumatic sensing, pump and compressor monitoring, plumbing and HVAC	Pumps and compressors, hydraulic, environmental monitoring, machine presses, test equipment and more











	LMH Hydraulic	LM1 Anti-Clogging	LM6 Submersible	LM7 Submersible
Features	Compact, all stainless steel construction, ideal for all applications with vibration and pulsation	All SS construction with protective barrier and lightning protection	Designed for continuous level measurement in clean water, reservoirs and treatment plants	Designed for continuous level measurement in water or wastewater (thin film)
Range	Low pressure -15,000 psi	Up to 50 psi	Up to 300 psi	Up to 300 psi
Applications	Commercial, industrial and process installations where vibration is prevalent	Level measurment in lift stations and reservoirs	All level and depth measuremnt applications including open tanks, ground water, reservoirs and water treatment facilities	All level and depth measuremnt applications including open tanks, ground water, reservoirs and water treatment facilities













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	LST Sanitary	LTF Flush Mount	LTD Differential	LXP Explosion Proof
Features	3A sanitary transmitter for any tri-clamp requirments	Compact yet rugged stainless steel housing with highly accurate stainless steel sensor	Compact yet rugged stainless steel housing with highly accurate stainless steel sensor	Designed with explosion proof enclosure. cCSAus and single-seal approved. ±0.2% accuracy
Range	0 - 5,000 psi	Vacuum - 10,000 psi	Low pressure - 500 psi	Vac - 15,000 psi
Applications	Covers all sanitary applications including food and beverage, dairy, pharamceutical and biotechnology	Pressure measurement of viscous fluids or media which may clog a standard process connection	Used to measure two varying and different pressures. Ideal for across-the-line filters, flow measurement, liquid tank levels and commercial/industrial uses	Hazardous locations in oil and gas installations including pump and compressor controls









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	WinSMART™ LY14 Pressure Transmitter	WinSMART™ LY16 Pressure Transmitter	WinSMART™ LY34 Pressure Transmitter	WinSMART™ LY36 Pressure Transmitter
Features	Smart multi-functional digital pressure transmitter designed for industrial applications	Explosion proof smart pressure transmitter. Analogue and digital communication outputs. Built-in temperature sensor. Provides 0.2%, 0.5%, 0.1%, 0.075% or 0.05% accuracy	Smart multi-functional digital differential pressure transmitter with 4/20 mA + HART®	Explosion proof smart differential pressure transmitter. Analogue and digital communication outputs. Built-in temperature sensor.Provides 0.075% or 0.05% accuracy
Range	Low Pressure - 3,000 psi	Vac - 14,500 psi	Low Pressure - 500 psi	Low pressure - 1,450 psi
Applications	Pressure measurement in oil and gas (onshore and offshore), power generation (including renewable), wastewater and many other hazardous areas	Pressure monitoring for oil and gas, well head process control, petrochemical installations, and power generation equipment	Differential pressure measurement in hazardous locations requiring either stainless steel or die-cast alumimum housing.	Ideal for across-the-line filters, flow measurement, liquid tank levels and commercial/industrial uses















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	SMV/-LF & SNV/-LF Mini Valve	NVA Needle Valve	BBV 2 & 3 -Handle	MVA 2,3 & 5 Handle Manifold
Features	An economical isolation valve for pressure gauges and transmitters, Brass* or lead free brass wetted parts	SS, CS and NACE configurations in straight and angle body	SS, CS and NACE variants with 1/4" bleed and 2-handle control	Designed for use with differential pressure transmitters and impulse lines. With isolation, venting and equalizing
Range	0 - 400 psi	6,000 and 10,000 psi	6,000 and 10,000 psi	6,000 and 10,000 psi
Applications	Provides flow control for non- corrosive applications including water lines	Severe duty which require valve isolation	Heavy duty installations ideally bundled with transmitters and switches	Critical in process and industrial enviroments for enabling repair, shut downs and updating of instrementation

Diaphragm Seals













	D10 PVC	D15 Threaded	D20 Sanitary	D30/D40 OEM
Features	Durable and flexible PTFE seal with PVC housing	Threaded and flush mount	Tri-Clamp connection with smooth flush surface	Compact one-piece design and high pressure rated
Range	Vac - 200 psi	50 - 5,800 psi	30 - 600 psi	30 - 1,000 psi or 1,000 - 6,000 psi
Applications	To be installed in applications where the media would corrode metal instruments	Suitable for any process where freezing or solidification of the pressure media is a concern	Sanitary connection for food and beverage and pharmaceuticals	Suited for compact OEM installations









	D44/D46 Flanged	D70/D71/D74 Industrial 2-piece	D81 Isolation Ring	D85 In-line D90 Saddle
Features	All welded flanged construction Continuous use rated seal	Heavy duty, all stainless steel construction Continuous use rated seal	Allows for flow-through of highly viscous material, non-clogging	Protects and ensures no clogging of instruments
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Range30 - 2,500 psiVac - 2,500 psiVac - 1,000 psi30 - 600 psiApplicationsEngineered environments such as upstream oil and gas and petrochemical plantsUtilized with highly viscous and corrosive mediaPressure measurement in waste water, P&P and miningViscous and slurry media in process applications

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	TAG HVAC Gold Case	TAS/TAS-LF Industrial 5"	TBM/THS Bi-Metal	TCT/TMT Surface Mounted
Dial/Scale	4.5" (115mm) 6" (150mm)	5" (125mm)	TBM: 1" (25mm), 2" (50mm) 3" (75mm), 4" (100mm) 5" (125mm), 6" (150mm) THS: 3" (75mm)	2.5" (63mm)
Sensing Element	Brass*	Brass* or lead free brass	SS	Bi-metallic coil
Bulb/Stem Length	2" (50mm)	1.825" (46mm)	TBM: 2.5" (63mm) - 48" (1,219mm) THS: 2.5" (63mm) - 24" (600mm)	-
Accuracy	±2% full scale	±2% full scale	±1% full scale	TCT: ±3% full scale TMT: ±2% full scale









	TBT HVAC	TNR Food & Beverage	Hydrometer Alcohol and Beer	THW Hygrometer
Dial/Scale	3.5" (90mm)	3" (75mm)	11.7" (297mm) 13" (331mm)	4.5" (115mm)
Sensing Element	Brass*	304 SS	Filled Glass Tube	304 SS
Bulb/Stem Length	1.420" (36mm)	2.5" - 9"	4.4" (112mm) 8.4" (213mm)	-
Accuracy	±2% full scale	±1%	-	±1%











	TSW/TSW-LF Hot Water	THR/TRR Remote Reading	TIM/TIM-LF 9" TSD Solar	TTD Tridicator
Dial/Scale	Dial: 2" (50mm) or 2.5" (63mm) Scale: 8" (200mm)	2.5" (63mm), 3.5" (90mm) 4" (100mm), 4.5" (115mm) 6" (150mm), 8.5" (215mm)	TIM/TIM-LF: 9" (230mm) TSD: LCD size: 2.25" (57mm) x 2.25" (57mm)	2.5" (63mm) 3" (75mm)
Sensing Element	Brass* or lead free brass	SS/brass*	TIM/TIM-LF: Brass* or lead free brass TSD: Brass*	Brass*
	Dial: 1.5" (40mm) Scale: 2.5" (63mm)	6" (150mm)	3.5" (90mm), 6" (150mm)	2.5" (63mm): 2.15" (55mm) stem, 3" (75mm): 2.75" (70mm) stem
Accuracy	±1% full scale	Gas actuated: ±1% full scale Vapour actuated: ±2% full scale	±1% of reading	Pressure: ±3-2-3% Temperature: ±3% full scale











	c Us		
	WinSMART™ TY52 Transmitter	TER Industrial RTD Sensor	TET Thermocouples Sensor
Features	Explosion proof smart RTD temperature transmitter for hazardous environments Providing both analogue and digital communication outputs (HART® & Modbus) including a highly functioning LCD display TY52 accuracy is 0.5%	Highly accurate RTD with PT100 sensor and 4/20mA transmitter ±0.15°C at 0°C accuracy with standard stainless steel stem material	Functional J & K type thermocouple sensors providing a wide range of temperature options, Accuracy of ±0.4°C Class 1
Range	-50 - 400°C (-58 - 752°F)	-328°F - 1,022°F (-20°C - 550°C)	J-type -328°F - 1,382°F (-200°C to 750°C), K-type -328°F - 2,192°F (-200°C to 1,200°C)
Applications	Utilized and installed anywhere where temperature measurement is required This product has a rugged design and is equipped with the communication protocols to meet all your day-to-day requirements	Single sensing installations include processing plants, paper mills, storage tanks and petrochemical facilities	Single sensing installations include processing plants, and petrochemical facilities Multi-point installations include refineries, reactors and gas-to-liquid process

Accessories













					6. (1)
	SCT Cooling Tower	SOP Protector	SSN/SSN-LF/SAS Snubbers	SSP Syphon	FIR Instrument Tee
Features	Perforated cover and spiral tube quickly dissi- pates media temperature	Easy field adjustable setpoint All stainless steel	SS, brass* and lead-free brass	CS, brass* and SS materials	All SS instrument for diaphragm and isolation seals
Range	0 - 1,500 psi	0 -10,000 psi	0 - 20,000 psi	0 -1,650 psi	0 -1,000 psi
Applications	Utilized for extremely high temperature media	For the protection of pressure instruments against line surges	Prodection against pressure pulsations	For steam service installations eg. boiler	Used for multiple instrument installations

Test Kits















	NST/ANS/618-372	**Name of	and the same of th	
	STP/ STP-LF Test Plug	AOM/PET/PET-LF Test Kits	PGV Tire Gauge	PTK/ PGTK Pressure & Temperature
Features	Facilitates quick pressure readings. Brass* and lead free brass	Water and gas line testing gauges	Tire pressure gauge with protective cover and carrying case	Test kits in carrying case for local inspection and testing
Range	Up - 1,000 psi	up - 300 psi/kPa	up - 100 psi/kPa	up - 300 psi
Applications	Mainly used in plumbing, HVAC and refrigeration	For plumbing, HVAC and gas line testing	For tire pressure testing	Test kits for water and gas line inspection requirements

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WinBRIGHT

- High visibility reflective, florescent and glow-in-thedark dials with larger bolder numbers provide increased readability in installations with poor exposure to light
- WinBRIGHT is available on PFP, PFP-ZR, PPC and PPC-ZR gauges



Flanges and U-Clamps

Front flanges, back flanges and u-clamps provide a variety of mounting possibilities for instrumentation



Tags

Winters can work with engineers to add stainless steel tags to identify instrumentation for large projects



Pointers (Red set pointer, Maxi/Mini pointer)

- Red set pointers allow operators to set a visible target for system operation
- Maxi or mini pointers can be installed to measure pressure spikes or losses of pressure



Capillary

Added to gauges and thermometers allowing them to be installed in applications requiring remote reading



Safety Lens

- Acrylic, polycarbonate, glass and safety glass lenses are available depending on your application requirements
- Safety glass lenses are utilized when user safety is a requirement, preventing the lens from rupturing



Case Materials

- Plastic, steel, black steel, die-cast aluminum, phenolic, stainless steel and many more cases are available
- The selection of the case material will depend on the ambient and process conditions



Rubber Boot

- Protective rubber boots can be added to many pressure
- The rubber boot protects gauge cases installed in high traffic areas from knocks



Restrictor screw

- · Restrictor screws come standard or are an option on many Winters gauges
- · Restrictor screws reduce the size of the gauge's orifice protecting it from spikes in pressure



Calibration

- Servicing for instrumentation accuracy against certified test gauge
- Available for all gauges and thermometers
- Calibration can be certified



Dial Changing

- To replace old or outdated dials
- Any Winters or non-Winters instrumentation can have dials replaced
- Custom dials are available Winters can design dials to your specifications



Fluid Filling / Drying

- Fluid filled gauges dampen and lessen pointer vibration of gauges
- Top up fluid in cases where existing fluid has leaked out
- · All fill fluids available
- Convert to dry gauge if fluid fill is no longer required



Gauge Audit Program(G.A.P.)

- A Winters Sales Professional tours a facility documenting instrumentation (Winters and non-Winters)
- They identify and document working and non-working instrumentation
- A report is provided identifying instrumentation part numbers and locations and notifying corrective actions required (if any)



Oxygen Cleaning

- Critical when instrument is to be used in oxygen service
- Cleaning of Bourdon tube and gauge
 secket
- Oxygen cleaned gauges will be returned in individually sealed bags in marked boxes
- Available for all instrumentation



Seal Assembly

- For all types of seals and pressure gauges, switches and transmitters
- Compatible Winters and non-Winters products are accepted
- Diaphragm seal filling included in service
- Calibration is done on all assembled units



Repairs

- Full repair for pressure and temperature instruments, and diaphragm seals
- Non-Winters products can also be repaired
- Recommended when cost savings justify repairing rather than replacing

More accessories are available. Please contact us for a full list of products. Products with an "LF" suffix are available with lead free wetted parts.





























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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