WINTERS Instruments

Excellence Since 1953



PRODUCT OVERVIEW

SCAN ME FOR ALL WINTERS PRODUCTS

www.winters.com

WINTERS INSTRUMENTS

MANUFACTURER OF INDUSTRIAL INSTRUMENTATION

WHY WINTERS

Customers are the heart of Winters Instruments, driving innovation and excellence in our pressure and temperature measurement solutions. Their trust and feedback inspire us to continuously improve our products and services, ensuring reliability and accuracy in every application. By prioritizing the needs of our customers, we build lasting partnerships that drive our success and growth.

- Matthew Smith, President



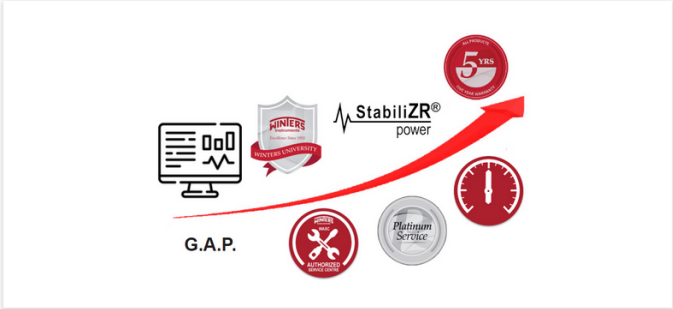
PEOPLE

- Global distribution in over 90 countries through six Winters sales and service offices.
- Strong field support presence, with a large number of regional sales managers providing global coverage.
- Engineering team that responds to technical RFQs and provides application insights.
- Distributor training events that ensure our partners are fully equipped to promote, sell, and support our instrumentation products.
- Recognition as a winner of the "Canada's Best Managed Companies"

PRODUCTS

- High-quality products which are incredibly reliable.
- Numerous flagship brands, including StabiliZR®, WinSMART™, and WinAIR.
- Wide and deep product offering, allowing access to many new and different customers.
- Five-year warranty covering all instrumentation, that ensure our partners are fully equipped to promote, sell, and support our instrumentation products.



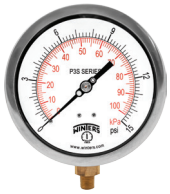


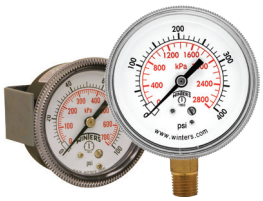
INNOVATION

- Strong R&D, with numerous new product launches.
- Platinum Service
- Distributor portal, with all our Winters tools at your disposal.
- Many global approvals
- Serving all market segments, covering industrial, process and commercial projects.
- Global AMLs facilitating acceptance in projects.
- Third-party factory audits conducted by clients and organizations, verifying standards and certifications.

SCAN ME FOR ALL WINTERS PRESSURE GAUGES









	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	¼” NPT	¼” NPT for 600 psi or lower ½” NPT for 1,000 psi or higher	¼” NPT ⅛” 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

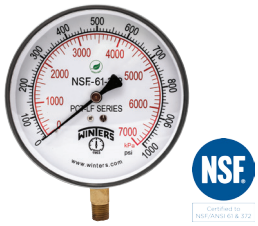








	PAM Ammonia PFG Refigeration	PBC Forged Brass Case	PCC Colour Coded	PCG/PRL/PWL/PSP/PUP Compressed Gas
Dial Size	2.5” (63mm), 3.5” (90mm), 4” (100mm), 6” (150mm), 8.5” (215mm), 10” (250mm)	2.5” (63mm) 4” (100mm)	4” (100mm)	1" (25mm) 1.5" (40mm) 2" (50mm) 2.5" (63mm)
Tube and Socket	Bronze Nickel 316L SS	Brass*	Phosphor bronze/brass*	Phosphor bronze/brass*, 304 SS , 316 SS, 316L SS
Connection	¼” 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





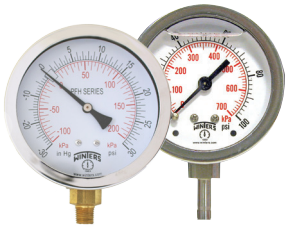




	PCT/PCT-LF Contractor	PDT Differential PDX Duplex	PEM/PEM-LF/ PEU Economy	PFD Differential PFD Compact
Dial Size	4.5” (115mm)	4.5” (115mm) 6” (150mm)	1.5” (40mm), 2" (50 mm) 2” (50mm) **Pool Gauge** 2.5” (63mm) 4” (100mm)	2 1/16” (52.4mm) 4" (100mm)
Tube and Socket	Phosphor bronze/brass* or lead free brass	316L SS/phosphor bronze/brass*	Phosphor bronze/brass*	Die-cast aluminum, silicon rubber or Glass filled nylon, black
Connection	¼” NPT	¼” 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_2O or 125 - 750 mmH_2O

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	¼” NPT	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





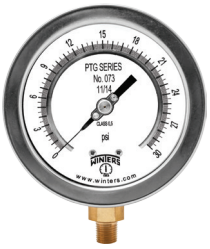


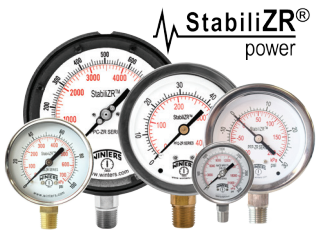


	PLP Low Pressure	PMN Mining	PPC Process PRC Receiver	PPD/PRD/PSD/PVD Differential
Dial Size	2.5” (63mm) 4” (100mm) 4.5” (115mm) 6” (150mm)	2” (50mm)	4.5” (115mm)	2.5” (63mm) 3.5” (90mm) 4.5” (115mm)
Tube and Socket	316 SS/brass*	Brass*	Brass*/ 316L SS	SS and others
Connection	¼” NPT	3/8” Steck-O connection, quick connect	1/4” NPT or 1/2” NPT	¼” or ½” NPT and others
Range	"H_20 - 10 psi/kPa	0 - 9,000 psi	Vac - 20,000 psi	"H_20 - 110 psid









	PSC Safety Case	PSG Schaeffer	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	¼” or ½” NPT	1/2” NPTM bottom	¼” or ½” NPT	1/8" NPT, 1/4" NPT or 1/2" NPT
Range	Vac - 20,000 psi/kPa	"H_20 - 300 psi	Vac - 10,000 psi/kPa	Vac - 20,000 psi/kPa

Pressure Switches

SCAN ME FOR ALL WINTERS PRESSURE SWITCHES









	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_2O	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





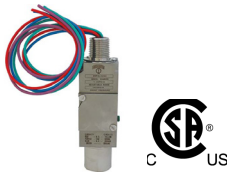




	3WPS Vacuum and Low Pressure	4WPS Medium Pressure and Adjustable Deadband	5WPS Differential	6WPS Explosion Proof and Adjustable Deadband
Features	Low pressure monitoring and control	Differential pressure applications, including monitoring/control of filters	Low pressure differential switch with SPDT	Heavy duty explosion proof pressure switch
Range	Vac - 10 psi	Low pressure - 100 psi	Low pressure - 300 psi	Low pressure - 4,000 psi
Applications	Pump and compressor monitoring, HVAC systems and general industrial applications	Pump and compressor monitoring, HVAC systems and general industrial applications	Differential pressure applications including filter monitoring and control	Hazardous locations, including oil and gas, petrochemical, power and wastewater









	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

Digital Pressure Gauges





	DPG	DPG+ Plus
Features	2.5" (63mm) digital pressure gauge with protective cover and SS wetted parts	3.3" (83mm) accuracy digital pressure gauge with protective cover and SS wetted parts
Range	Vacuum - 15,000 psi	Vacuum - 10,000 psi
Applications	General purpose testing and calibrating of pressure instruments	High accuracy device for calibrating pressure instruments in laboratory and repair facilities with integrated Bluetooth®

SCAN ME
FOR ALL WINTERS PRESSURE TRANSMITTERS



	LE1 OEM	LE3 General Purpose	LIM Industrial
Features	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 - 2,000 psi	25 - 10,000 psi	Vac - 10,000 psi
Applications	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	LST Sanitary	LTF Flush Mount
Features	Compact, all stainless steel construction, ideal for all applications with vibration and pulsation	3A sanitary transmitter for any tri-clamp requirments	Compact yet rugged stainless steel housing with highly accurate stainless steel sensor
Range	Low pressure -15,000 psi	0 - 5,000 psi	Vacuum - 10,000 psi
Applications	Commercial, industrial and process installations where vibration is prevalent	Covers all sanitary applications including food and beverage, dairy, pharamceutical and bio-technology	Pressure measurement of viscous fluids or media which may clog a standard process connection







	LM1 Anti-Clogging	LM6 Submersible	LM7 Submersible
Features	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	Up to 50 psi	Up to 300 psi	Up to 300 psi
Applications	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

Pressure Transmitters







	LXP Explosion Proof	WinSMART™ LY14 Pressure Transmitter	WinSMART™ LY16 Pressure Transmitter
Features	Designed with explosion proof enclosure. cCSAus and single-seal approved. ±0.2% accuracy	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
Range	Vac - 15,000 psi	Low Pressure - 3,000 psi	Vac - 14,500 psi
Applications	Hazardous locations in oil and gas installations including pump and compressor controls	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 Transmitters

SCAN ME
FOR ALL WINTERS DIFFERENTIAL PRESSURE TRANSMITTERS







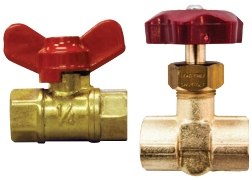
	LTD Differential	LFA Very Low Pressure Differential Pressure	LFD Very Low Pressure Differential Pressure
Features	Compact yet rugged stainless steel housing with highly accurate stainless steel sensor	LCD enabled DP transmitter with analogue or digital output capabilities	LCD enabled DP transmitter with analog output capabilities and battery or 24V powered
Range	0.1”H2O - 500 psi (35 Bar)	0.04"H2O - 20"H2O (5,000 Pa)	-0.12"H2O - 10"H2O (1,000 Pa)
Applications	Used to measure two varying and different pressures. Ideal for across-the-line filters, flow measurement, liquid tank levels and commercial/industrial areas.	Used to measure two varying and different pressure inputs. Ideal for measuring air flow and leaks across filters in commercial installations, such as air handlers	Used to measure different pressure inputs (in the same manner as WinAIR). Ideal for measuring across the-line-filters in such applications as air handlers or dust collection equipment





	WinSMART™ LY34 Pressure Transmitter	WinSMART™ LY36 Pressure Transmitter
Features	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 - 500 psi	Low pressure - 1,450 psi
Applications	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

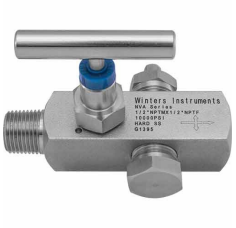
SCAN ME
FOR ALL WINTERS VALVES AND MANIFOLDS

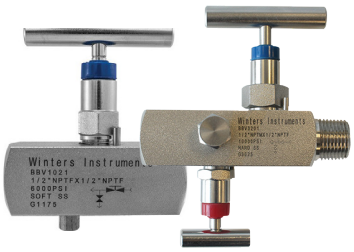


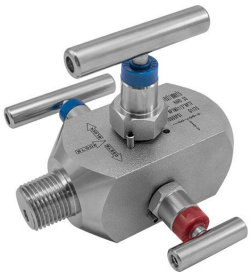




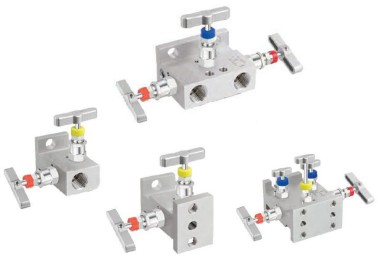
	SMV/-LF & SNV/-LF Mini Valve	NVA Straight Body	NVA Angle Body
Features	An economical isolation valve for pressure gauges and transmitters, Brass* or lead free brass wetted parts	CS, SS and NACE materials with a variety of packing options and seat selections	CS, SS and NACE materials with an angle body design and oversized handle to Open & Close the valve
Range	0 - 400 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 industrial and process instal-lations require instruments to be isolated and the NVA offers all the necessary requirements	Severe duty industrial and process installations require instruments to be isolated and the NVA offers the convenience of an angle body







	NVA Multiport	BBV 1 or 2 Handle	BBV 3 Handle
Features	Single handle SS, CS and NACE variants with three instument ports along with bleed plug option	One or two handle block and bleed valves in SS, CS and NACE variants, with bleed plugs	Three handle block and bleed valve in SS, CS and NACE variants with ¼" bleed port
Range	6,000 and 10,000 psi	6,000 and 10,000 psi	6,000 and 10,000 psi
Applications	Ideal for installations which require more than one instrument installation or have a need for on-site testing and calibration	Suitable for applications requiring a bleed port to de-pressurize the instument for safe removal and installation	Heavy duty installations requiring redundant contol for the safe installation and removal of pressure instruments







	MVA Block Style	MVA Straight - Wafer	NVA Angle - Wafer
Features	Block, single flange, or double flange connections for remote or direct installation. Available in SS and NACE materials	Compact style wafer manifold available in soft and hard seat options and SS and NACE materials	Compact style wafer manifold with angled handles to allow for unobstructed clearances. Available in SS and NACE materials
Range	6,000 and 10,000 psi	6,000 and 10,000 psi	6,000 and 10,000 psi
Applications	Critical in process and industrial enviroments for enabling repair, shut downs and updating of instrumentation	Designed for use with differential pressure transmitters (LY34 & LY36) and impulse lines. With isolation and venting	Designed for use with differential pressure transmitters (LY34 & LY36) and impulse lines. With isolation, venting and equalizing

Diaphragm Seals

SCAN ME FOR ALL WINTERS DIAPHRAGM SEALS





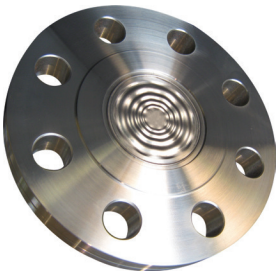




	D10 PVC	D15 Threaded	D20 Sanitary	D30 Compact High Pressure
Features	Durable and flexible PTFE seal with PVC housing	Threaded and flush mount	Tri-Clamp connection with smooth flush surface	Compact one-piece all stainless steel design and high pressure rated
Range	Vac - 200 psi	50 - 5,800 psi	30 - 600 psi	1,000 to 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 with high pressure slurries









	D40 Compact OEM	D44 Flanged PTFE	D46 Flanged Welded	D70 Heavy Duty 2-Piece Industrial
Features	Compact one-piece all stainless steal design with male or female process threads	Continuous use seal will prevent diaphragm from rupturing if pressure sensing instrument fails. With PTFE as the diaphragm material	Continuous use seal will prevent diaphragm from rupturing if pressure sensing instrument fails. Fully welded seal available in many material variants	2-pc heavy duty, all stainless steel construction rated for continuous use. Optional vent plug"
Range	30 to 1,000 psi	Vacuum to 1,000 psi	30 to 2,500 psi	30 to 2,500 psi
Applications	Suited for OEM installations with low clearances and slurry process media	Installations requiring diaphragm polymers such as petrochemical plants where process safety is required	Engineered environments such as upstream oil and gas and petrochemical plants	Installed in process areas with highly viscous and corrosive media





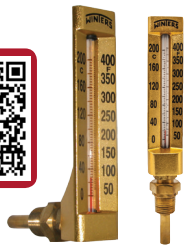




	D71 NACE 2-Piece (Hastellloy®C and Monel®)	D74 Low Pressure Industrial 2-piece	D81 Isolation Ring	D85 In-line D90 Saddle
Features	2-pc heavy duty, all stainless steel NACE compliant construction rated for continuous use	2-pc heavy duty, all stainless steel construction rated for continuous use	Allows for flow-through of highly viscous material, non-clogging	Protects and ensures no clogging of instruments
Range	30 - 2,500 psi	Vacuum to 60 psi	Vac - 1,000 psi	30 - 600 psi
Applications	Engineered environments such as upstream oil and gas and petrochemical plants	Installed in low-pressure process areas with highly viscous and corrosive media	Pressure measurement in waste water, P&P and mining	Viscous and slurry media in process applications

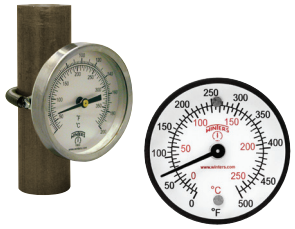
Thermometers

SCAN ME
FOR ALL WINTERS THERMOMETERS

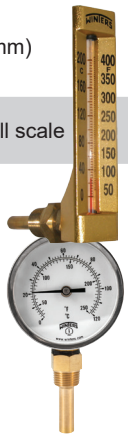








	TAG HVAC Gold Case	TAS/TAS-LF Industrial 5”	TBM/THS Bi-Metal	TCT/TMT Surface Mounted
Dial/Scale	4.5” (115mm) 6” (150mm)	5” (125mm)	TBM: 1” (25mm), 2” (50mm) 3” (75mm), 4” (100mm) 5” (125mm), 6” (150mm) THS: 3” (75mm)	2.5” (63mm)
Sensing Element	Brass*	Brass* or lead free brass	SS	Bi-metallic coil
Bulb/Stem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

Temperature

SCAN ME FOR ALL WINTRONIQ TEMPERATURE PRODUCTS





	WT1/WR1 Indoor Temperature Sensor with Transmitter Output	WT2/WR2 Ventilation Temperature Sensor with Transmitter Output	WT5/WR5 Outdoor Temperature Sensor with Transmitter Output
Features	Indoor temperature sensors with built-in transmitter output for occupied areas	Indoor ventillation temperature sensors with built-in transmitter output for unoccupied areas	Outdoor temperature sensor with built-in transmitter output
Range	0/50°C & 32/122°F, -20/80°C & -4/176°F	From -50/50°C & -58/122°F to 0/100°C & 32/212°F"	From -50/50°C & -58/122°F to 0/100°C & 32/212°F
Applications	Widely used in HVAC control systems of various types in commercial buildings as well as manufacturing facilities	Installed with HVAC control systems to control fresh air and return systems and may also be installed in water pipes	These products are installed in various harsh conditions for measurement of temperature

Humidity

SCAN ME FOR ALL WINTRONIQ HUMIDITY PRODUCTS






	WTH1/WRH1 Indoor Temperature and Humidity Sensor and Transmitter	WTH2/WRH2 Duct Type Temperature and Humidity Sensor and Transmitter	WRH5/WTH5 Outdoor Temperature and Humidity Sensor and Transmitter	WTH5F2 Louvered Outdoor Temperature and Humidity Sensor and Transmitter
Features	Indoor temperature and humidity sensors with built-in transmitter outputs. These products offer analogue or digital signals	Indoor duct-type temperature and humidity sensors and transmitters with high-precision digital chips	Outdoor rated temperature and humidity sensors with built-in transmitter outputs	A fully enclosed, louvered outdoor temperature and humidity sensor with built-in transmitter output
Range	100% and 0/50°C & 32/122°F, -20/80°C & -4/176°F or -40/60°C & -40/140°F	100% RH and -40/60°C & -40/140°F to 0/100°C & 32/212°F	100% RH and -40/60°C & -40/140°F to 0/100°C & 32/212°F	100% RH and -40/60°C & -40/140°F to 0/100°C & 32/212°F
Applications	Suitable for indoor temperature and humidity measurement, such as clean rooms, hospitals, datacentres, and many more applications	Installed in duct and ventillation chambers in conjunction with HVAC control systems	These products are installed in harsh conditions for measurement of temperature and humidity	Widely used in outdoor installations for environmental monitoring

Gas Detection and Air Particulate Sensors

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	WCO1 Indoor and Ventilation Carbon Monoxide Transmitter	WCO2 Indoor and Ventilation Carbon Dioxide Transmitter	PM2.5 Indoor and Ventilation Air Quality Sensors With Transmitter Output	PM10 Indoor and Ventilation Air Quality Sensors With Transmitter Output
Features	Carbon monoxide transmitter with high-precision & performing digital sensor technology	Carbon dioxide transmitter with high-precision NDIR digital non-dispersive infrared detector	A laser light dust sensor to accurately measure particles (PM2.5)	A laser light dust sensor to accurately measure particles (PM10)
Range	0-100PPM or 0-400PPM	0-2000 PPM	0 - 500 µg /m³	0 - 500 µg /m³
Applications	Widely used in the measurement and control of CO concentrations in various locations and integrated with HVAC systems	Installed in the measurement and control of carbon dioxide concentrations in intelligent modern building controls	Suitable for air purification and fresh air systems	Widely used in intelligent HVAC systems in modern buildings

Water Leakage Detection

SCAN ME
FOR ALL WINTRONIQ GAS AND AIR SENSORS





	LPAD1 Water Leak Detection Sensor, Non-Positioning Type	LPAD2 Water Leak Detection Sensor, Positioning Type
Features	Non-positioning cable-type water leakage detector which easily integrates into any HVAC controls system	High-performing, accurately positioning cable-type water leakage detection sensor clearly indicates where along the cable the water has been detected
Range	5 to 500 m, sensing cable length	5 to 200 m, sensing cable length
Applications	Widely used in server & mechanical rooms, pipe stacks, sub-level floors, computer rooms, refrigeration warehouses and many other locations where water seepage may damage equipment	Widely used in server & mechanical rooms, pipe stacks, sub-level floors, computer rooms, refrigeration warehouses and many other locations where water seepage may damage equipment

RTDs and Thermocouples

SCAN ME
FOR ALL WINTERS RTDS AND THERMOCOUPLES



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	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

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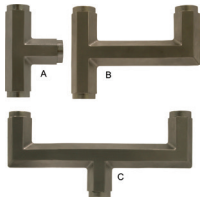
FOR ALL WINTERS ACCESSORIES











	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	Protection against pressure pulsations	For steam service installations eg. boiler	Used for multiple instrument installations

Test Kits

SCAN ME FOR WINTERS TEST KITS





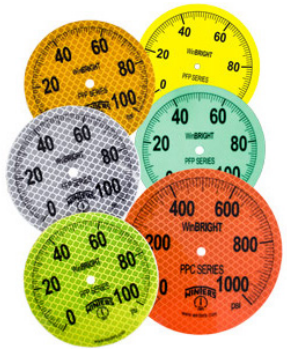




	STP/ STP-LF Test Plug	AOM/PET/PET-LF Test Kits	PGV Tire Gauge	PTK/ PGTK Pressure & Temperature
Features	Facilitates quick pressure readings. Brass* and lead free brass	Water and gas line testing gauges	Tire pressure gauge with protective cover and carrying case	Test kits in carrying case for local inspection 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

Notes

Options



WinBRIGHT

- High visibility reflective, florescent and glow-in-the-dark 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 gauges
- 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

Services



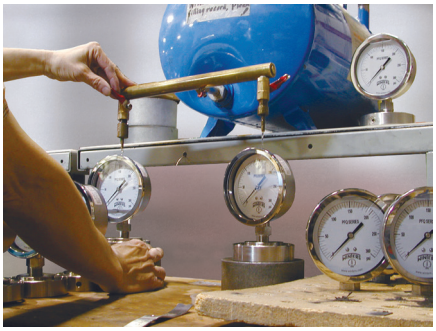
Calibration

- 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 socket
- 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.

* **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.

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.

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

Canada - Edmonton
Winters Instruments
7503 Girard Road, #100
Edmonton, Alberta
T6B 2H2
Tel: 403-723-6645
1-800-WINTERS
sales@winters.com

USA - Houston
Winters Instruments
5400 W. Sam Houston Pkwy N.
Houston, Texas
77041
Tel: 281-880-8607
1-800-WINTERS
usasales@winters.com

Europe - Middle East - Africa
Winters Instruments
Dubai Airport Free Zone
6WB G50
Dubai, United Arab Emirates
Tel: 971-4295-9177
emeasales@winters.com

Asia - Shanghai
Winters Instruments
Room 203, Building 8,
No. 471, Guiping Road
Shanghai
200233
China
Tel: 86-21-6104-2610
asiasales@winters.com
www.wintersasia.com

Latin America
Winters Instruments
Lamadrid 121
Los Troncos del Talar,
B1608CEC
Buenos Aires, Argentina
Tel: 54-11-4715-3036
latinsales@winters.com
www.winters.lat

Approved With:

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