

ADDRESS:
P.O. Box 389
Fairhope, AL 36533-0389
All major credit cards accepted

HORTON INSTRUMENT COMPANY

div of Crown Controls, Inc.
QUALITY IN CONTROL SINCE 1960

PHONE: (800) 447-8731
FAX: (251) 928-1577
EMAIL: mail@hortoninstrument.com
Web Page: www.hortoninstrument.com



Government Facilities: Ashcroft pressure gauges, temperature instruments, temperature and pressure switch units, diaphragm seals, thermometers, pressure transmitters and transducers.



pH, ORP, Conductivity, Dissolved O2 in WWTP 5-7 year warranty on sensor Turbidity and Suspended solids for liquid process, sanitary 3A & WWTP, Dissolved O2 for boiler feed water ppb, O2 in wine liquid and gas ppm. Direct TBI/ABB replacement.



Stocked precision transmitters, P/I transducers, Volume boosters, pneumatic precision regulators, relays, air sets with filters, electric motorized regulators for remote regulator set point and motorized regulators.



Non-Invasive ultra sonic flow meter for liquids, gases and concentration. FM certification in hazardous areas and flow certified transducers, non-invasive, no cutting of pipes, bidirectional flow, high turn flow range, no pressure drop, and no moving parts.



Area monitor systems for Toxic Gases, LEL explosion monitoring, O2 for confined areas, remote and sample pump systems, Universal transmitter with multiple type sensors (IR, Catalytic Bead & Electro Chemical), Duct and Pipeline analyzers. Wireless Systems.



Precision digital pressure gauges, Transducers, Calibrators, Large precision dial gauges, NIST traceable, Metrology Lab Units.



Beta Products Calibrators, single and multifunction calibrators. Documentation Systems.



3D Level System with accurate measurement of bulk solids and powders. Self cleaning, 3D color mapping, FM IS, CSA and ATEX. M-switch Microwave on-off through the wall for bunkers. Rotator: miniature bin level switch for bulk solid applications.



Thermocouple & RTD's of the highest reliability and service life. IEEE and Nuclear qualified. Thermocouple lead wire, Thermowells.



Relay & Solid State Annunciators for contact alarm. Sequential Events Recorder, Motion Detectors. RTD & Thermocouple Monitors. Intrinsically Safe Barriers.



Utilizes non-contact detection to measure continuous and interface level; density, point level and weighing systems with nuclear source (gamma).



SICK Process Automation offers in-situ and extractive analyzers for gas measurement, instrumentation for dust, opacity, volume flow. Integration to provide all-in-one solutions, In Line Flow meter for Gas 2-48", available for custom transfer.



Analyzers designed for use in continuous measurement & determination of sodium ion concentration, dissolved oxygen, hydrazine concentration, silica and phosphate measurement in boiler systems.



PARTLOW Control Systems, CAL CONTROLLERS, PMA POWER CONTROLLERS (single and three phase fired SCR's; Phase angle, Time Proportional and Zero Fired)

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ALLOY

Thermowells for your temperature sensing needs of rugged construction, all types of design and materials of construction.



Pressure, Flow, Velocity, Temperature and Humidity instrumentation. Level/Water Detection, Output Transducers, Test Equipment, Power Monitoring, Data Loggers/Indicators, Valves, Actuators, and Air Quality instrumentation.



High quality liquid gages, sight flow indicators, magnetic level indicators and level controls.



Isolation Amplifiers for High Voltages/Shunt Applications, power supplies, loop-powered isolators, M12 Field housings for isolation, Eurocards, universal isolation amplifiers, loop powered isolators to **3600 Volts**, transmitters.



Precision flowmeters to measure the mass flow rate of gases, liquids and steam widely used in commercial, industrial and municipal applications. The Pro-V multivariable flowmeters utilize three a vortex shedding velocity sensor, an RTD temperature sensor, and a solid-state pressure transducer.



Develops and manufactures products for non-destructive testing (NDT) and predictive maintenance (PdM) such as portable ultrasonic systems, portable acoustic emission systems, portable leak detection systems, accelerometers, transducers/sensors and more.



Industrial Grade Utility **Rugged Cycles** with **Airless tires, Enclosed Shaft Drive** (chainless), **Corrosive Resistant Components** of heavy duty aluminum frame, and stainless spokes for strength. Frame mounted carrying basket, **Field Knob Adjustable** Gel Padded seat.



Manufactures innovative valves and control products for a wide range of process industries. Our control and actuated valves serve a variety of disciplines where durability, precision and value are important.

Fahrenheit to Celsius							
°F	°C	°F	°C	°F	°C	°F	°C
0	-17.8	35	1.6	70	21.2	105	40.5
5	-15	40	4.4	75	23.9	110	43.3
10	-12.2	45	7.2	80	26.7	115	46.1
15	-19.4	50	10	85	29.4	120	48.9
20	-6.7	55	12.7	90	32.2	FORMULAS C = (F - 32) x 5/9 F = C x 9/5 + 32	
25	-3.8	60	15.6	95	35		
30	-1.1	65	18.3	100	37.8		

Volume Conversion Table							
	liter	milliliter	cubic meter	barrel	gallon	quart	pint
1 liter	1	1000	0.001	0.00629	0.26417	1.05668	2.11337
1 milliliter	0.001	1	1E-06	6.29E-06	0.00026	0.00105	0.00211
1 cubic meter	1000	1000000	1	6.29	264.17	1056.68	2113.37
1 barrel	158.98251	158982.51	0.15898	1	41.99873	167.99	335.98
1 gallon	3.78541	3785.41	0.00378	0.02381	1	3.99999	8
1 quart	0.94635	946.35	0.00094	0.00595	0.25	1	2
1 pint	0.4731	473.17	0.00047	0.00297	0.1299	0.49999	1