

INSTALLATION INSTRUCTIONS

• Read instructions thoroughly prior to install

Applications shown are suggested means of installing sensors, but it is the responsibility of the installer to ensure that the installation is in compliance with all national and local codes and OSHA requirements. Installation should be attempted only by individuals familiar with proper installation techniques and with codes, standards, and proper safety procedures for control installations. **Warning: Do not use on oxygen service, in an explosive/hazardous environment, or with flammable/combustible media.**

Install the PH Series in any stainless compatible media application. Media must be compatible with 17-4 PH stainless steel.

A unique retainer bracket design eliminates the requirement for a back-up wrench on the sensor fitting.

PH models can handle overload pressure of 2x's maximum full scale range. Burst pressure is 5x's maximum full scale range.

WIRING

Connect transmitter to control system and power supply as indicated. Note: PH Series are 3-wire sourcing type transmitters.

CAUTION: This product utilizes a half-wave rectifier power supply. If a transformer is to be used to power this product, the transformer must not be used to power other devices utilizing non-isolated full-wave power supplies.

OPTIONAL: Connect TARE (zero) terminals to digital output (contact closure) of control system.

CAUTION: TARE input is for dry-contact. Do not apply voltage to TARE (zero) terminals.

CONFIGURATION

Use jumper JP1 to select voltage (V) or current (mA) mode.

Use jumper JP2 to select 0-10V or 0-5V output span. (Voltage mode only).

Use jumper JP3 to select slow or fast mode. Slow mode provides 5-second averaging for surge dampening.

Select appropriate full-scale range using the slide switch.

OPERATION

Test Mode: Test mode overrides output to full-scale. If product is configured for current (mA) operation, output will be 20.0 mA in test mode. If product is configured for voltage (VDC) operation, output will be 5.0 VDC or 10.0 VDC in test mode. (depending on position of JP2 output span jumper.)

Status LED: Status LED glows green to indicate normal operation. Status LED glows red to indicate overpressure. Status LED flashes red to indicate other fault condition.

TARE (Zero): Press and hold the "TARE" push-button for 2 seconds or provide contact closure on auxiliary "REMOTE TARE" terminal to automatically reset output to zero pressure. To protect the unit from accidental tare, this feature is enabled only when detected pressure is within 5% of factory calibration.

PH Series

Pressure Transducer – Wet Media

VERIS INDUSTRIES
PORTLAND, OREGON USA

Toll Free in USA 1.800.354.8556

Tel USA 1.503.598.4564

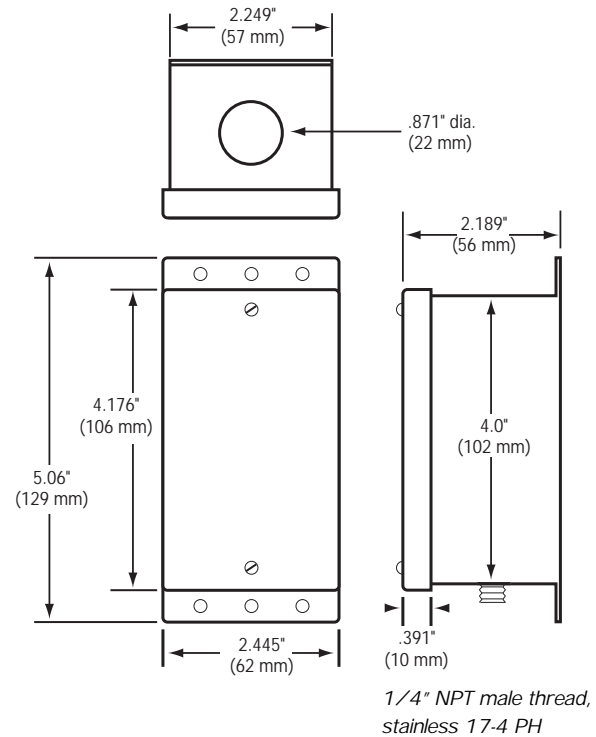
FAX USA 1.503.598.4664

http://www.veris.com

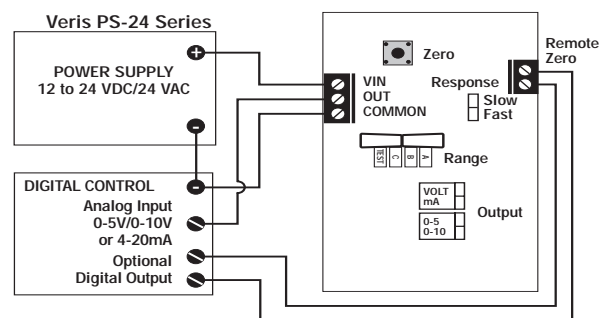
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DIMENSIONS



WIRING DIAGRAM



MODEL	RANGE		
	A	B	C
07	25	50	100
08	62.5	125	250
09	125	250	500
10	250	500	1000

SPECIFICATIONS

Media Compatibility	17-4 PH stainless steel
Input Power	12 to 30VDC, 24VAC nominal
Output	3-wire transmitter; user selectable 4-20mA 0-5V, 0-10V†
Test Mode	Overrides output to full-scale (20mA, 5V, 10V)
Pressure Ranges:	
0-100	25/50/100psig
0-250	62.5/125/250psig
0-500	125/250/500psig
0-1000	250/500/1000psig
Status Indication	Dual-color LED. Green = Normal, Red = Overpressure, Flashing Red = Fault
Proof Pressure	2x max. F.S. range
Burst Pressure	5x max. F.S. range
Accuracy	±1% F.S.*
Surge Dampening	Electronic; 5-second averaging
Temperature Compensated Range	0 to 50°C (32° to 122°F)
Long Term Stability	±0.25% - All models
Zero Adjust	Pushbutton auto-zero and digital input (2-pos terminal block)
Operating Environment	-20 to 85°C; 10 to 90% RH non-condensing
Fittings	1/4" NPT male thread, stainless 17-4 PH
Physical	White powder coated steel

*Combined linearity, hysteresis, and repeatability

†Minimum input voltage for 4-20mA operation

250 ohm loop (1-5V) = 12 VDC

500 ohm loop (2-10V) = 15 VDC