

## STASET GEN 3

### INSTALLATION & MAINTENANCE INSTRUCTIONS

---

#### GENERAL:

THESE DEVICES SHALL BE USED WITHIN THEIR RATINGS.



BEFORE INSTALLING, CHECK THE TRANSDUCER COMPATIBILITY TO THE PROCESS MEDIA IN CONTACT WITH THE WETTED PARTS. THE STASET SERIES FEATURES ALL 316L STAINLESS STEEL WETTED SURFACES IN CONTACT WITH THE PROCESS MEDIA.

**PROOF PRESSURE:** CHECK THE PROOF PRESSURE RATING ON THE APPLICABLE PRODUCT DRAWING. THE STASET SERIES HAVE INDIVIDUALLY SPECIFIED PROOF PRESSURES AS LISTED ON THE PRODUCT DRAWING. PROOF PRESSURE IS DEFINED AS THE MAXIMUM PRESSURE TO WHICH THE UNIT MAY BE SUBJECTED TO WHICH CAUSES NO PERMANENT DAMAGE.

**MAINTENANCE:** THE STASET SERIES HAVE NO FIELD REPLACEABLE PARTS. FACTORY WARRANTY SERVICE IS AVAILABLE.

**ELECTRICAL:** BEFORE INSTALLATION, CHECK THE SUPPLY VOLTAGE. VOLTAGES IN EXCESS OF THE RATINGS MAY DAMAGE THE INTERNAL ELECTRONIC CIRCUITRY.

**OUTPUT:** THE STASET SERIES HAVE INDIVIDUALLY SPECIFIED VOLTAGE OR CURRENT OUTPUTS TO PRESSURE INPUTS AS LISTED ON THE PRODUCT DRAWING AND MARKED ON THE PRODUCT.

#### INSTALLATION:



DISCONNECT PRESSURE AND UNPOWER ELECTRICAL CIRCUITS PRIOR TO INSTALLATION.

The pressure connection and electrical connections shall be verified via test to ensure the connections and installations are correct.

When correctly powered and operating, the switch state LED will be either RED or GREEN and the display will indicate the system pressure.

Periodic inspection of the unit is recommended to ensure continued operation. Inspection intervals shall be determined by the use based on the system requirements. The unit has no internally serviceable parts.

#### RECOMMENDED PRACTICES AND WARNINGS:

Precision Sensors recommends careful consideration of the following factors when specifying and installing pressure transducers:

- To avoid damaging unit, proof pressure and maximum temperature of 80°C based on ambient temperature of 55°C. Minimum service temperature of 0°C. Operation of the unit up to maximum pressure or temperature is acceptable on a limited basis (e.g., start-up, testing) but continuous operation must be restricted to the designated adjustable range. Excessive cycling at maximum pressure or temperature limits could reduce sensor life.
- A back-up unit is necessary for applications where damage to a primary unit could endanger life, limb or property.
- Install unit where shock, vibration and ambient temperature fluctuations will not damage unit or affect operation.
- Unit must not be altered or modified after shipment. Consult Precision Sensors if modification is necessary.

- Monitor operation to observe warning signs of possible damage to unit, such as drift in zero output. Check unit immediately.
- Preventative maintenance and periodic testing is necessary for critical applications where damage could endanger property or personnel.
- Electrical ratings stated in literature and on nameplate must not be exceeded. Wire unit according to local and national electrical codes, using wire size recommended in installation sheet.
- Do not mount unit in ambient temperatures exceeding published limits.
- In the presence of strong electromagnetic fields, the accuracy may become 2.0%.

**MOUNTING:** MOUNT UNIT WHERE SHOCK, VIBRATION, AND TEMPERATURE VARIATIONS ARE MINIMIZED. THE MAXIMUM SERVICE TEMPERATURE ARE AS LISTED ON THE APPLICABLE PRODUCT DRAWING, MINIMUM SERVICE TEMPERATURE LIMIT OF 0 °C.

MOUNT USING THE HEX WRENCH FLATS ON THE PROCESS FITTING END.

The STASET Series pressure transducers are sold with various end seal types of pressure connections. The pressure connection arrangement details are as given on the applicable envelope/installation drawing.

Unless otherwise specified, gaskets and or other seals are not provided by Precision Sensors and shall be use per the requirements of the system into which the unit is being installed.

Precision Sensors recommends the use of industry standard and pressure fitting manufacturer recommended tightening torques.

#### **ELECTRICAL WIRING:**

The suitability of the terminals for use as field wiring connections shall be determined in the end-use application.

#### **FREE LEAD WIRE TYPES:**

The unit is supplied with wire leads as indicated on the applicable product drawing. The end-user may install crimp type connectors, use terminal blocks or solder the wires as required by the installation.

#### **INTERMATING CONNECTOR TYPES:**

The unit is supplied with a pre-installed connector per the envelope/installation drawing. The end-user shall install the mating connector per the manufacturer requirements.

#### **VERIFICATION:**



PRECISION SENSORS RECOMMENDS THAT AFTER INSTALLATION THE OPERATION OF THE UNIT BE VERIFIED.

#### LIMITATION OF SELLER'S LIABILITY:

Seller's liability to Buyer for any loss or claim, including liability incurred in connection with (i) breach of any warranty whatsoever, expressed or implied, (ii) a breach of contract, (iii) a negligent act or acts (or negligent failure to act) committed by Seller, or (iv) an act for which strict liability will be inputted to seller, is limited to the "limited warranty" of repair and /or replacement as so stated in our warranty of product. In no event shall the Seller be liable for any special, indirect, consequential or other damages of a like general nature, including, without limitation, loss of profits or production, or loss or expenses of any nature incurred by the buyer or any third party.

REV A

12/6/2021