

SERVICE BULLETIN

Issued: 03/19/25

SUBJECT: INPUT TRANSDUCERS – BEST PRACTICES AND TROUBLESHOOTING

Like any precision device, Altronic transducers require proper installation and best practices to maintain long-term, trouble-free service. The instructions and recommendations outlined below are offered to operators to support maximized service life and overall reliability.

Please consider the following:

- The mounting location shall expose the transducer to a maximum ambient temperature of no more than 185°F (85°C). The media temperature cannot exceed 221°F (105°C). Placement of the transducers is critical to ensure temperatures are not exceeded.
- Transducers labeled with an ST8 designation are fitted with a 0.031" (0.8mm) threaded orifice installed at the factory. Those transducers without an ST8 designation should have an orifice (P/N # 1004-3016-00) installed. This deters a reasonable level of pulsation, protects the sensor, and allows for an accurate reading. Excessive levels of pulsation may require additional dampening. Altronic recommends installing the additional dampener in the sensing line upstream from the transducer, close to the source (point of tap in).
- Cabling for transducers cannot be more than 50 feet from its controller. This will guarantee the acceptable accuracy for these sensors. It is not recommended to splice the manufacturer's cable provided with the transducer. Altronic manufactures cables in the following length increments; 10', 15', 25', and 50'.
- The transducer can be utilized in H2S service up to and including 2%. The 316 SS internals of the transducer allow for that amount of H2S in the gas composition



- It is important that improper tools not be used for the installation of the sensor. Please use a tool that fits properly on the hex nut that attaches to the body of the transducer. Do not put tools on the body to twist and tighten the fittings. This could damage the transducer and not guarantee proper readings from the sensor. (First picture shows proper method while next picture indicates the improper tool and placement of tool.)



Please see the Transducer Spec Sheet at <https://www.altronic-llc.com/wp-content/uploads/Transducer-0-5vdc-691201-Series.pdf> for additional product details.