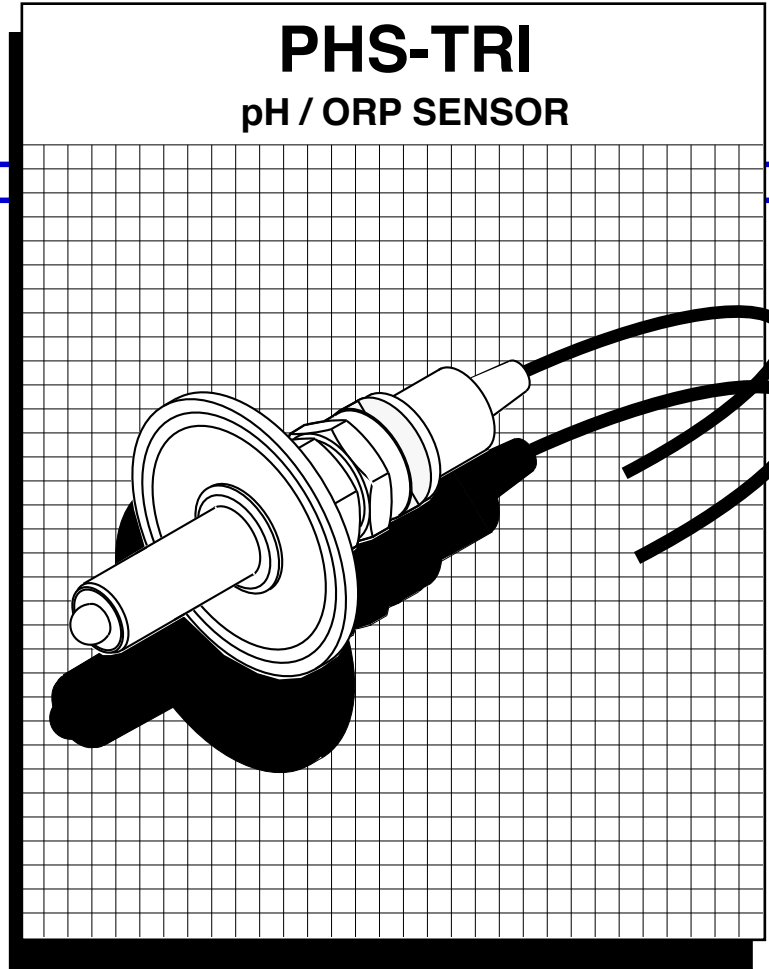




SENSOR DEVELOPMENT, INC.
SANTA ANA, CALIF (714) 836-7090

PHS-TRI pH / ORP SENSOR



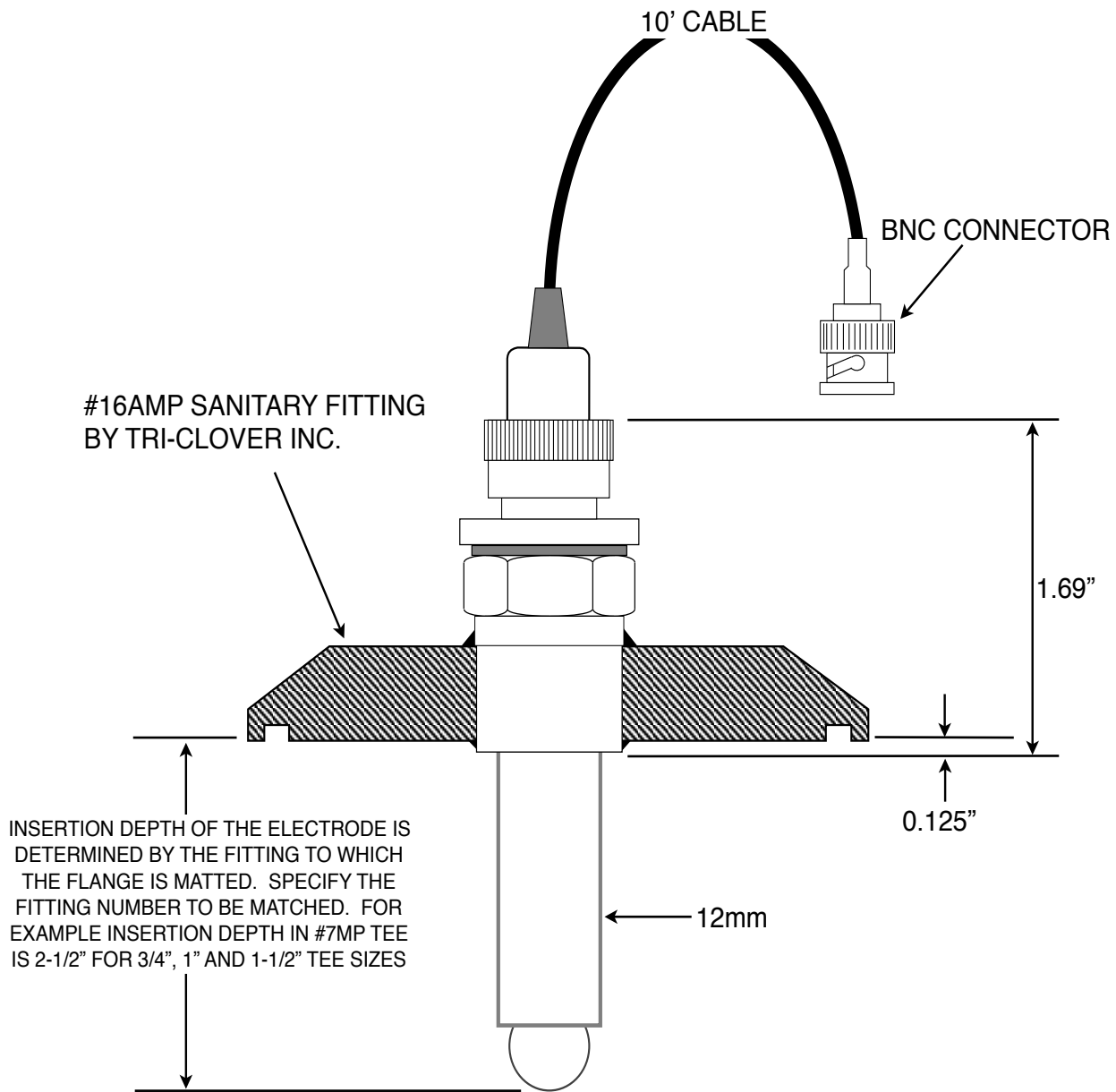
- **Made for standard fittings in Ladish and Tri-Clover sanitary piping systems.**
- **O-ring seals used on all versions for high on-stream reliability.**
- **Measuring cartridge can be removed by hand for fast and easy service.**

Food, pharmaceutical and other “sanitary” applications will readily accept this sensor. It can be tailored to either steam sterilization or chemical cleaning, and requires no tools to service or remove for inspection.

Application Notes

Wetted materials of construction are 316 stainless steel, glass or epoxy, and Teflon, with EPR o-ring seals. The center fitting is double heliarc welded to a Ladish or Tri-Clover blind flange or a size specified by the customer. Insertion depths are tailored to the different sizes so that the electrode tip will lie near the center of the flow line for rapid, accurate response. Temperature compensation element can be placed in a separate thermowell (in its own flange)

or built into the measuring electrode body. When piping permits, having the TC in its own housing increases the reliability of the electrode, and reduces its replacement cost. Because this assembly utilizes standard 12mm diameter electrodes constructed for use in a variety of other fittings, replacement cost is usually less than the special electrodes built to fit into large, exotic and unnecessarily complex holders typically found in this service.



SPECIFICATIONS

MAX. PRESSURE/TEMP. RATINGS:

100 PSIG at 120°C, Intermitent
100 PSIG at 100°C, Continuous

WETTED MATERIALS:

316 Stainless Steel, Teflon, Glass,
EPR O-rings

CONNECTIONS:

Process - #16AMP cap by Tri-Clover, Inc.

Electrical - BNC connector

TEMPERATURE COMPENSATION:

Temperature element is normally a separate item, but can be mounted in a 1/4" thermowell on the cap as an option. Specify make and model of the analyzer to insure the correct element.



SENSOR DEVELOPMENT, INC.
SANTA ANA, CALIF

(714) 836-7090