

Insertion Tool

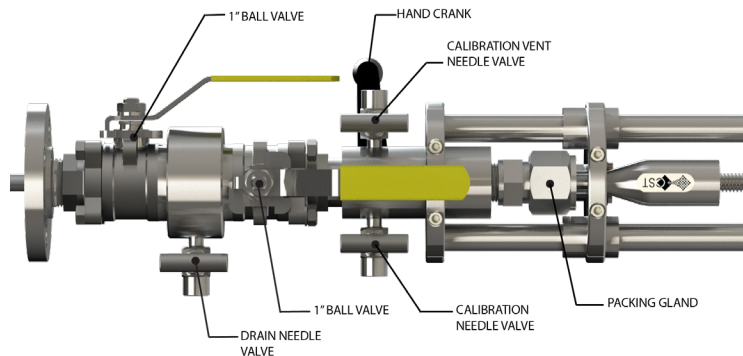
5100 Series

Introduction

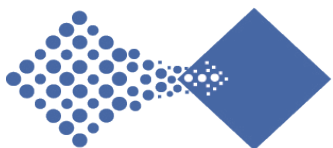
The 5101 Series Insertion Tool allows for simple use and versatility of CST's probes with process lines. The flanged device is easy to install and will require minimal setup before use. The Insertion Tool is made of corrosion resistant materials and has many features to ensure that the device is safe, effective, and easy to use. The Insertion Tool provides a means of on-line monitoring that will allow users to effectively measure the sample within their system. When used in conjunction with a probe and one of CST's Photometric Transmitters, the Insertion Tool provides users with a complete and continuous process monitoring solution.

Features

- ◇ Provides safe and secure attachment to process lines during installation and retraction.
- ◇ Double Block and Bleed function allows users to clean the probe and calibrate the sample.
- ◇ Multiple probe options including ATR Probes, Fluorescence Probes, and Single/Double Pass Transmission Probes.
- ◇ Interchangeable hand crank for easy insertion and retraction of probe.
- ◇ Low cost of ownership with minimal maintenance required.



CST's Insertion Tool with a Single Pass Transmission Probe



Insertion Tool Part Numbering Guideline

5101-A-BCD-EFG-HI-JK-L	
A = Probe Type	(0) Transmission (1) Fluorescence (2) Reflectance
BCD = Insertion Length	(XXX mm) Standard Insertion Length = 225 mm
E = Seal Material	(0) Viton (1) Kalrez (2) Chemraz (3) FDA Class VI Epoxy (4) Other (specify)
F = Window Material	(0) Fused Silica (1) Sapphire
G = Internal Optics	(0) Fused Silica (220-1200nm) (1) BK7 (400-2400nm)
HI = Pathlength	(XX mm) 0-20 mm (Standard Pathlengths 1, 5, and 10 mm)
J = Valve Packing Material	(0) PTFE
K = Body Material	(0) 316SS (1) Titanium (2) Hastelloy C276 (3) Monel (4) Other (specify)
L = Process Connection	(0) ANSI 150# Flange (1) Other (specify)

Technical Specifications

General	
Pressure Rating	500psi maximum
Maximum Temperature	260°C (500°F)