



T700 Cryogenic Flow Totalizer



General Information

The Sponsler T700 Flow Totalizer is the next generation in Cryogenic Measurement Systems, designed for reliability and ease of use. The T700 builds upon the highest standards of accuracy and reliability while offering a number of valuable features that incorporate today's cutting edge technology, such as: real-time calculations, complete audit trails, pump control output with programmable delay interval, customizable tickets with optional graphics, temperature and pressure volume compensation for up to six individual products, and Bluetooth printing. The T700 has been engineered to accommodate all of your Cryogenic Measurement needs.

Setup for the T700 is easy, with a 4.3" Touchscreen Color Display designed to compute and display in real time with pertinent flow parameters in both digital and graphic forms. Large, robust external buttons are built tough for everyday use, and an intuitive, bright color display clearly shows that product being delivered is continually corrected for the temperature of the product.

Maintenance enhancements have been made on the T700 to ensure an easy-to-service design which includes field-replaceable components. The flexible mounting bracket system allows both simple installation and operation. The T700 can also easily replace the industry standard T675 with identical mounting brackets, cables, connections, and accessories.

Features

- Large 4.3" touchscreen with color display
- 5-point flowmeter linearization
- Pump control output with programmable delay interval (Temperature and Cavitation monitoring)
- RS-232 communication port
- Optional Bluetooth® communication
- Temperature volume compensation for six individual products and pressures, including LIN, LOX, and LAR
- Real time calculations and graphics
- User-friendly menu-driven programming, no scrolling
- Complete system alarm display
- Complete audit trail
- Programmable maintenance based on actual turbine service
- NIST Handbook 44 approved

Specifications

Input Power

- 10-14 VDC or 20-28 VDC
- 3 W typical, 15 W maximum

Environmental

- -40° to 194° F (-40° to 90° C)

Physical Dimensions

- 7.812 x 13.510 x 4.875"

Weight

- 6 lbs with bracket

Signal Input

- 0 - 5000 HZ, 15 - 50 mV RMS

Sensor Inputs

- (1) RTD and (1) 4-20mA loop pressure

RTD

- Platinum, 1kΩ, two wire

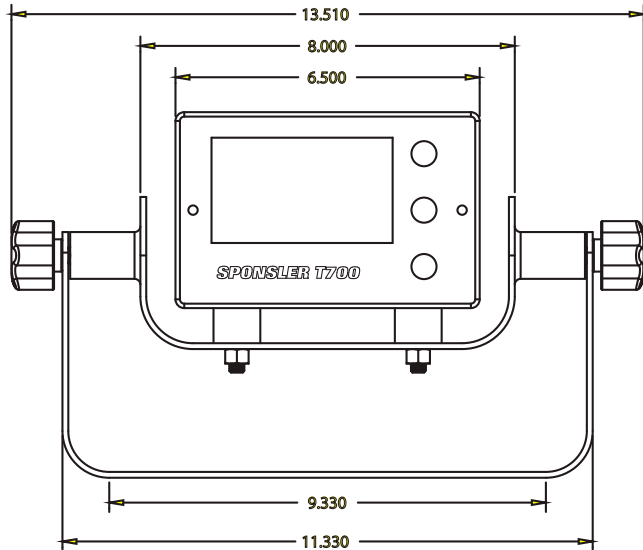
Outputs

- Form C, 30A Relay, RS-232, optional Bluetooth®

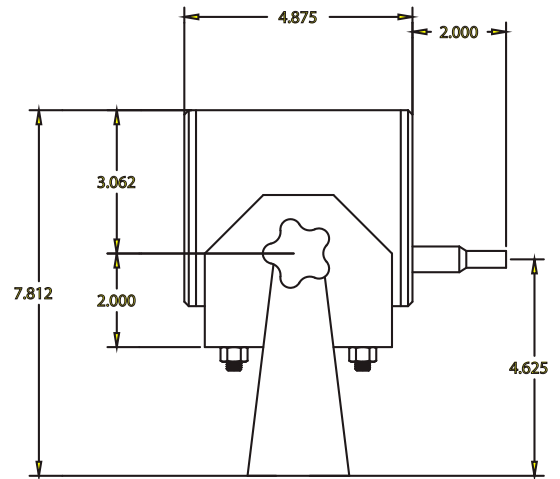


T700 Cryogenic Flow Totalizer - Dimensions

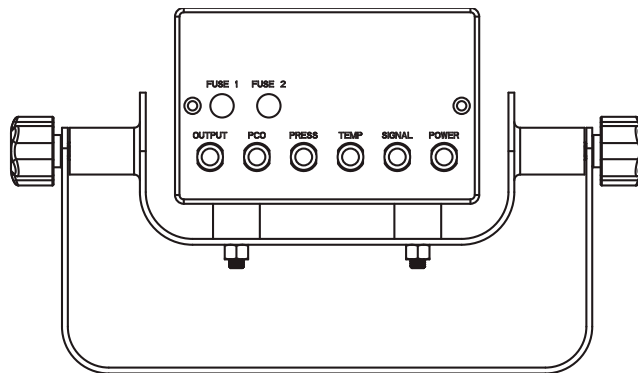
Front



Side



Back



Bottom

