

PSP/TSP Calibration System

(Product ID: CAL-04, CTC-04)

The ISSI calibration system is a multi-function system designed for controlling the mass-flow of two gases and temperature within a cell. This new evolution of ISSI's pressure and temperature sensitive paint calibration system utilizes a gas flow design whereby the nitrogen to oxygen mass flow ratio is controlled to simulate pressure without the noise and complexity of the diaphragm pump.



Accurate	Accurately control oxygen and nitrogen concentration	Simulated pressures from 0-4.0 bar
Control	Software control of the system via user interface	Runs through parameters automatically
Networking	Can be connected and simultaneously controlled over a network	10/100 Mbps Ethernet
Versatility	Can be configured to use with a variety of gases	Acts as a trigger source for all calibration hardware



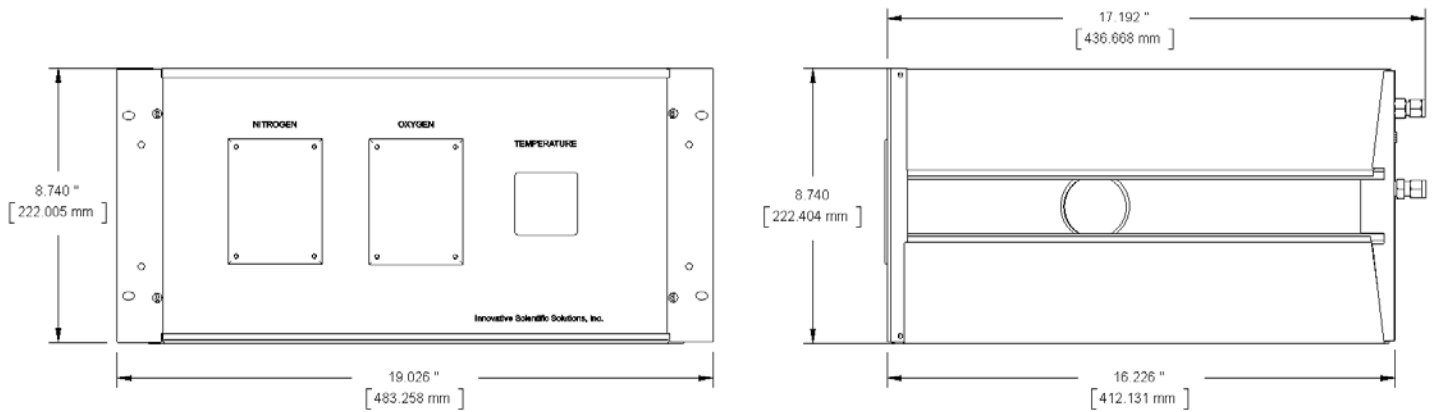
Control Box (CAL-04)



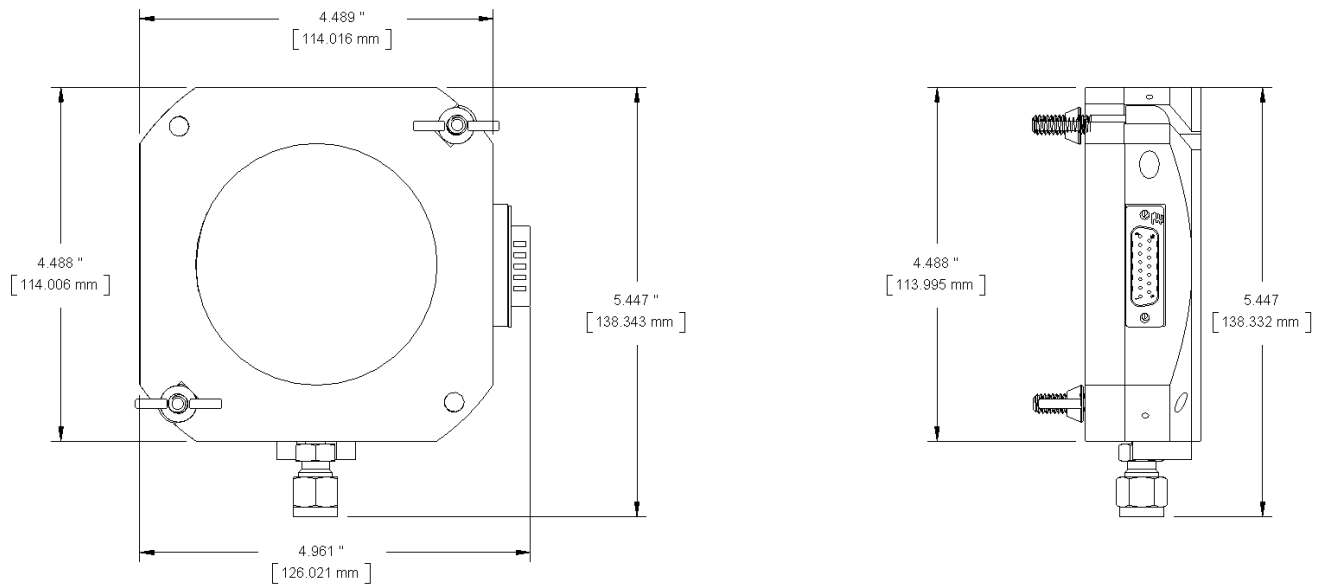
Cell (CTC-04)

SPECIFICATIONS

Power	100-240 V, 50-60Hz
Pressure Range	0.0 - 4.0 bar
Temperature Range	0 - 70 °C
Interface	10/100 Mbps Ethernet
Pressure Accuracy	0.5% of full scale
Temperature Accuracy	0.1 °C
Trigger Input/Output	TTL
Software	PT Control
Warranty	1 year limited
ECCN	EAR99



CAL-04 Control Box



CTC-04 Calibration Cell