



TRIAD TECHNOLOGY INC.

REFERENCE CELL CALIBRATION SYSTEM DATA SHEET



Triad Technology's reference cell calibration system is a self-contained wavelength calibration box. The calibration system contains a Super Luminous Diode, SLD, light source and two wavelength reference cells. These SLD devices are single mode fiber coupled with APC type connector. The SLD light source has a key switch on the front panel and LED power on indicator. The wavelength reference cells are fiber coupled and are accessed thru FC connectors on the front panel. The standard calibration system is configured with one of three reference cell combinations; an Acetylene and HCN, HCN and Carbon Monoxide Isotope 12, or HCN and Carbon Monoxide Isotope 13. Customer specific cells can also be used in the system. The system also permits gas mixture cells for a broader wavelength reference range. Please call or email us with your reference system requirements.



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Physical Dimensions:

Height: 100mm
Width: 367mm
Length: 250mm

Optical Properties:

	Peak Wavelength	Power into Single Mode Fiber	FWHM Bandwidth	10dB Bandwidth
SLD1:	1550nm +/- 20	8mW	30 – 40nm	60nm +/- 10
SLD2:	1620nm +/- 20	7mW	35 – 55nm	80nm +/- 15

Fiber Connector Type:

Fiber Type: Single Mode SMF-28
Length of Fiber: 1.0 m ± 0.1m standard
Output Connector Types: FC/APC standard (Other connector also available)

Environmental Properties

Operating Temperature: 10 to 35°C
Storage Temperature: -10 to 50°C

Ordering Information

Part Number	Gas Cell Types
TT-SLD1-AC12/HCN12-E	Acetylene Isotope 12 / HCN Isotope 12
TT-SLD2-HCN12/CO12-E	HCN Isotope 12 / Carbon Monoxide Isotope 12
TT-SLD2-HCN12/CO13-E	HCN Isotope 12 / Carbon Monoxide Isotope 13

Custom gas cells also available