



FIBERA INC.

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WAVELENGTH LOCKER EVALUATION SYSTEM

- Complete software and hardware package for evaluation of Fibera wavelength lockers
- Factory calibrated for superior accuracy
- Simple industry standard interfaces (RS-232 and analog outputs)

The Fibera wavelength locker evaluation system consists of a microcontroller based wavelength locker interface subsystem, PC software, and a user’s manual to be used with a customer selected Fibera wavelength locker. This complete and easy to use evaluation platform provides an ideal development environment for new products.

Subsystem Interface Signals

Analog:

A1 = PD1 -5V to +5V, A2 = PD2 -5V to +5V

Digital:

RS-232 (standard) or SPI and I²C (Optional) – ASCII PD1, PD2 and temperature readings

ELECTRICAL AND MECHANICAL SPECIFICATIONS

Parameters	Units	Value
Power supply voltage	Volts	±12~18 VDC
Power supply current	mA	< 50 mA
Analog output voltage	Volts	± 5 V (max)
Analog output current	mA	± 10 mA (max)
Operating Temperature	°C	-5 to +70 °C
Storage Temperature	°C	-40 to +85 °C
Dimensions	mm (inch)	75 x 88 x 12.7 (3.0 x 3.5 x 0.5)

Electrical Pins

J1-Pin1	Analog output 1 PD1
Pin2	Ground
Pin3	Analog output 2 PD2
J2-Pin1	Power supply input (+)
Pin2	Power supply common
Pin3	Power supply input (-)
J4-Pin2	RS-232 transmit (output)
Pin3	RS-232 receive (input)
Pin5	RS-232 common

