## Bench To receive a calibration and/or repair quote-RMA from R.A.E. Services Inc. 578L Click here>> www.raeservices.com/services/quote.htm Intensity Optical Power Meter

#### **Features**

- +27 to -50dBm measurement range is ideal for testing high output devices
- Logarithmic dB/dBm and linear Watt units
- 2mm indium-gallium-arsenide (InGaAs) photodetector
- 980nm, 1310nm, and 1550nm N.I.S.T. traceable calibration wavelengths
- High resolution—0.01dB/dBm; 0.001mW/µW/nW
- Prints customized labels with power reading, time, and date on a parallel or serial printer
- Remote control via RS-232 interface
- BNC analog output interface for convenient external monitoring
- I<sup>2</sup>C interface allows up to 16 optical power meters to be connected and controlled from a designated "reference unit"
- Snap-On Connector (SOC) interface adap to all industry standard fiber optic connectors and other less common types
- Operates on 100 to 250VAC, 50 to 60Hz input power



### **Applications**

#### Insertion Loss and Link Loss Testing

The 578L benchtop optical power meter is a versatile instrument designed to meet the needs of customers conducting fiber optic insertion loss tests and measvrements in manufacturing or laboratory settings.

With a measurement range from +27 to -50dBm, the 578L is ideal for performing measurements on CATV systems, optical amplifiers, and other high power sources. The 578L features 980nm, 1310nm, and 1550nm calibration wavelengths.

The 578L prints customized labels containing measurement, date, and time information when connected to a parallel or serial printer. Up to seven different label formats can be stored in non-volatile memory for later use.

A built-in serial port allows the 578L to be controlled remotely from a computer, enabling the automation of complex or repetitive measurements. LabView and LabWindows drivers for the instrument are available from RIFOCS Corp. Up to 16 578L optical power meters can be "daisy chained" via an integral I<sup>2</sup>C interface to make a multi-channel test system controlled by a designated "reference unit."

The 578L also features a BNC analog output interface, allowing users to perform discontinuity measurements or monitor optical switch performance without an optical-to-electrical converter. The analog output voltage is calibrated directly to the LCD readout, ensuring accurate and repeatable measurements when using an external voltmeter or chart recorder.

**RIFOCS Corporation** Fiber Optic Instruments & Components

NIST, ISO, IEC, ANSI, NCSL, MIL-STD by www.raeservices.com

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