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GRP: 450, 455, 460

Optical Power Meter

**Smallest Optical Power
Meter on the market**



More than an Optical Power Meter...

Greenlee's new Optical Power Meters combine functionality, style & advanced applications expected in more advanced optical Test & Measurement equipment and are available in calibrated wavelengths of 850nm, 1310nm, 1550nm & the new PON wavelength of 1490nm.

Referenced & Absolute optical power readings (dB & dBm) are available as standard and on-board storage of 1000 measurements for each of the 4 wavelengths is possible with the GRP 455 & GRP 460, along with the ability to up-load the results to PC via mini USB port (GRP 460 only). Review of stored field measurements is possible with the Scroll function. Additionally, an audible signal can be heard on detection of a 2kHz modulated signal from one of Greenlee's associated Optical Light Sources for easy fibre identification.

Non Intrusive Live Fibre Identification is possible when used in conjunction with GLFI 110. Optical radiation from working circuits can be detected, eliminating the potential to disconnect a working fibre, as well as detection of a 2kHz modulated signal.

Connection to the fibre under test is made via the universal 2.5 mm adaptor. Additional male or female connector adaptor styles are available.

The readily available CR 2 battery provides over 1000 operations for the power meter. A "LO BAT" display alerts the user to replace the battery.

Features

- 850, 1310, 1490, 1550nm
- Referenced & Absolute optical power readings
- Store 1000 measurements per wavelength
- Download results via USB to a computer (GRP 460 only)
- Audible tone alert from incoming 2kHz signal
- Accepts all connector styles
- NIST traceable measurements
- Multimode and Singlemode operation
- Long battery life
- Rugged and compact size
- Conversion to Live Fibre ID with GLFI 110

Specification

<i>dB/dBm</i>	GRP 450-02	GRP 450-03	GRP 450-04
<i>On-board storage</i>	GRP 455-02	GRP 455-03	GRP 455-04
<i>Data transfer to PC</i>	GRP 460-02	GRP 460-03	GRP 460-04
Detector type	Ge	InGaAs	Filtered InGaAs
Wavelength range	850nm to 1625nm		
Measurement range	+ 3 to – 60dBm	+ 3 to –70 dBm	+23 to –45 dBm
Resolution	0.01dB		
Absolute accuracy*	+/- 0.25dB		
Optical interface	Universal 2.5mm (Order 1.25mm or screw on adaptors separately)		
Tone identification	2kHz Incoming signal, Audible Alert		
Power on	Push button ON, Auto shutoff		
Storage	Store up to 1000 measurements per wavelength GRP 455 & 460		
Data transfer	Mini USB Port (1000 points/wavelength) GRP 460 ONLY		
Dimensions	6.1x.94x.75 in. (15.5x2.38x1.90cm)		
Weight	3.0 oz (85g)		

Ordering Information

CAT NO	ORDER #	DESCRIPTION	QTY
GRP 450-02	52056202	Germanium, 0.01dB, zero ref set	1
GRP 450-03	52056203	InGaAs, 0.1dB, Zero/Set Ref	1
GRP 450-04	52056204	Filtered InGaAs, 0.01dB, zero ref set	1
GRP 455-02	52056205	Germanium, 0.01dB, Zero/Set Ref	1
GRP 455-03	52056206	InGaAs, 0.01dB, Zero ref set	1
GRP 455-04	52056207	Filtered InGaAs, 0.01dB,Zero ref set	1
GRP 460-02	52056208	Germanium, 0.01dB, Zero/Set Ref	1
GRP 460-03	52056209	InGaAs, 0.01dB, Zero ref set	1
GRP 460-04	52056210	Filtered InGaAs, 0.01dB,Zero ref set	1
GLFI 110	52056249	Live Fibre Detect & Fibre ID	1

Connector Options:

GAC021	52056232	1.25mm Universal Adaptor	1
GAC026	52056233	SC Adaptor for OPM	1
GAC027	52056234	ST Adaptor for OPM	1
GAC028	52056235	FC Adaptor for OPM	1
GAC029	52056236	LC Adaptor for OPM	1



Adaptor GLFI 110 enables non intrusive detection of light on working fibres



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