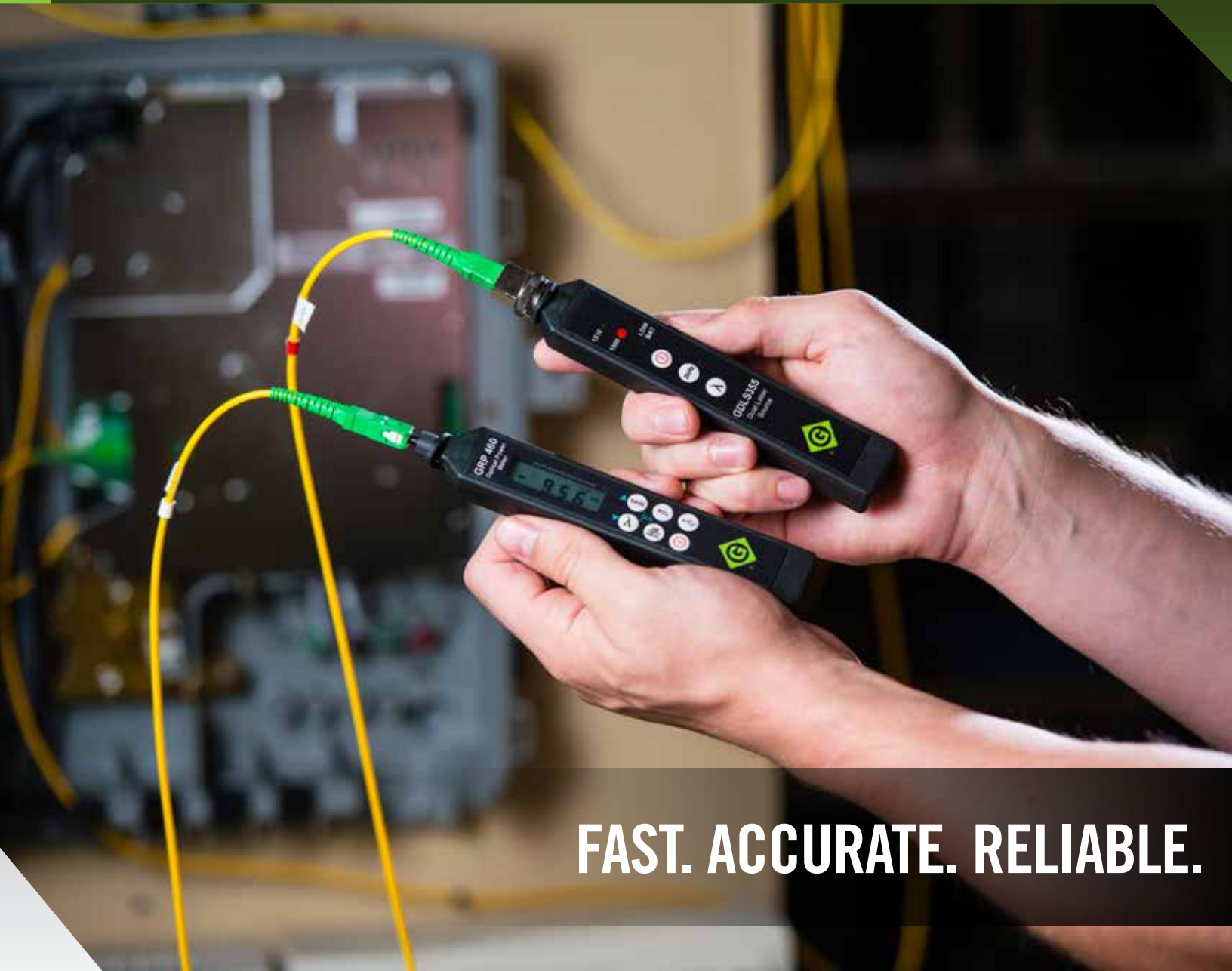


# MINI FIBER TOOLS



**FAST. ACCURATE. RELIABLE.**

USA PHONE 800.435.0786  
FAX 800.451.2632

CANADA PHONE 866.384.8813  
FAX 800.524.2853

INT'L PHONE +1.815.397.7070  
FAX +1.815.397.9247



**GREENLEE**<sup>®</sup>  
COMMUNICATIONS

# OPTICAL LIGHT SOURCES



## *Rugged*

Durable and compact

## *Stable*

Provides a stable light source

## *Adaptable*

Interfaces to all industry standard connectors

## FEATURES

- GDLS 355 Dual Laser 1310nm, 1550nm
- GDLS 360 Dual Laser 1490nm, 1625nm
- GDLS 350 Dual LED 850nm, 1300nm
- 2kHz Tone output
- NIST traceable
- Long battery life
- Singlemode application
- Multimode application

## SPECIFICATIONS

	GDLS 350	GDLS 355 / GDLS 360
<b>Wavelength</b>	850nm & 1300nm LED	1310nm, 1550nm Laser/ 1490nm, 1625nm Laser
<b>Output power</b>	- 20dBm Typical	-4dBm Typical
<b>Laser Classification</b>	N/A	Class 1 (FDA 21 CFR1040.11)
<b>Output stability</b>	+/- 0.05dB, 1 hour, +/- 0.03dB long after 15 minute warm-up	
<b>Spectral Width</b>	40nm/120nm	5nm/5nm
<b>Optical interface</b>	Universal Connector Interface (FC, SC, ST & LC )	
<b>Power on</b>	Push button ON, Auto shutoff	
<b>Tone Output</b>	2kHz	
<b>Dimensions</b>	6.1 x 0.94 x 0.75in (15.5 x 2.38 x 1.90cm)	
<b>Weight</b>	3oz (85g)	
<b>Operating Temperature</b>	-10C to 50°C	
<b>Storage Temperature</b>	-30C to 60°C	



# OPTICAL POWER METERS



**Rugged**  
Durable and compact

**Precise**  
Measures optical powers down to -60dBm

**Convenient**  
Downloadable measurements for easy reporting\*

**Adaptable**  
Interfaces to all industry standard connectors

## FEATURES

- GRP 450 Optical Power Meter with Ge Detector
- GRP 460 Optical Power Meter with InGaAs filtered detector
- Singlemode and multimode application
- Calibrated wave lengths of 850nm, 1310nm, 1490nm, and 1550nm
- Data transfer via USB for the GRP 460
- 2kHz Tone detect
- NIST traceable
- Long Battery Life

## SPECIFICATIONS

	GRP 450-02 GRP 460-02	GRP 450-04 GRP 460-04
<b>Diode</b>	Ge	Filtered InGaAs
<b>Wavelength range</b>	850nm to 1625nm	
<b>Measurement range</b>	+ 3 to - 60dBm	+23 to -45dBm
<b>Resolution</b>	0.01dB	
<b>Absolute accuracy<sup>A</sup></b>	+/- 0.25dB	
<b>Optical interface</b>	Universal 2.5mm (Order 1.25mm or screw on adaptors separately)	
<b>Tone identification</b>	2kHz Incoming signal, Audible Alert	
<b>Power on</b>	Push button ON, Auto shutoff	
<b>Storage</b>	Store up to 1000 measurements per wavelength*	
<b>Data transfer</b>	Mini USB Port (1000 points/wavelength)*	
<b>Dimensions</b>	6.1 x 0.94 x 0.75 in (15.5 x 2.38 x 1.90cm)	
<b>Weight</b>	3.0oz (85g)	

<sup>A</sup>Accuracy measured at -10dBm and 25°C, all other specifications are at 25°C  
\* GRP 460 only





## ORDERING INFORMATION

CAT NO.	UPC NO.	DESCRIPTION
<b>KIT</b>		
<b>GMFT-SM</b>	03426	<b>Singlemode Kit</b> Kit includes 1- GDLS 355 1310/1550 Dual Laser 1- GRP 460-02 Optical Power Meter 1- Soft Carry Case
<b>GMFT-MM</b>	03429	<b>Multimode Kit</b> Kit includes 1- GDLS 350 850/1300 Dual LED 1- GRP 460-02 Optical Power Meter 1- Soft Carry Case
<b>GMFT-SM-MM</b>	03431	<b>Singlemode/Multimode Kit</b> Kit includes 1- GDLS 355 1310/1550 Dual Laser 1- GDLS 350 850/1300 Dual LED 1- GRP 460-02 Optical Power Meter 1- Soft Carry Case



## ORDERING INFORMATION



CAT NO.	UPC NO.	DESCRIPTION
<b>OPTICAL POWER METER</b>		
GRP 450-02	00502	Germanium, 0.01dB, Zero ref set
GRP 450-04	00505	Filtered InGaAs, 0.01dB, Zero ref set
GRP 460-02	00509	Germanium, 0.01dB, Zero/Set Ref
GRP 460-04	00511	Filtered InGaAs, 0.01dB, Zero ref set
GAC 010	21033	Single Instrument Pouch
<b>CONNECTOR OPTIONS:</b>		
GAC 020	00525	2.5mm Universal Adaptor
GAC 021	00526	1.25mm Universal Adaptor
GAC 026	00531	SC Adaptor for OPM
GAC 027	00532	ST Adaptor for OPM
GAC 028	00533	FC Adaptor for OPM
GAC 029	00534	LC Adaptor for OPM

## ORDERING INFORMATION



CAT NO.	UPC NO.	DESCRIPTION
<b>OPTICAL LIGHT SOURCES</b>		
GDLS 350	00518	850/1300 Dual LED
GDLS 355	00519	1310/1550 Dual Laser
GDLS 360	03203	1490nm/1625nm Dual Laser
GAC 010	21033	Single Instrument pouch
<b>CONNECTOR OPTIONS:</b>		
GAC 022B	00440	SC Adaptor for source
GAC 023B	00441	FC Adaptor for source
GAC 024B	00442	ST Adaptor for source
GAC 025B	00443	LC Adaptor for source

