

# GFL-1500

## Solar Ground Fault Locator

### Product Specifications

General Safety Information Specifications is in the printed Safety Information document that ships with the Product and at [www.fluke.com](http://www.fluke.com).

## Clamp

<b>Measurement category</b>	Not category rated. Use only on insulated conductors up to 1500 V
<b>Operating voltage</b>	
<b>Trace signal indications</b>	Ac current measurement
<b>Response time</b>	2 s
<b>Ac current measurement</b>	
Range	150 mA
Resolution	0.1 mA
Maximum conductor diameter	61 mm (2.4 in)
<b>Display</b>	
Size	5.5 cm (2.17 in)
Dimensions (W x H), VA	38 mm x 29.6 mm (1.5 in x 1.2 in)
Type	Segment LCD display, TN, transfective, positive
<b>Lights</b>	
Display backlight	Yes
Spotlight	Yes
<b>Start up time</b>	<1 s
<b>Drop test</b>	1 m (3.28 ft)
<b>Power consumption</b>	<12 mA, typical without lights
<b>Battery life</b>	>150 hr, typical without lights
<b>Low battery indicator</b>	Yes
<b>Auto off time</b>	15 min

## Receiver

<b>Measurement category</b>	CAT III 1500 V dc / CAT IV 600 V ac
<b>Operating voltage</b>	1500 V dc / 600 V ac
<b>Trace signal indications</b>	Numeric value and bar graph, audible beep, LED
<b>Trace signal operating frequency</b>	
FAULT, MAP	6.25 kHz
OPEN	32.764 kHz
<b>Response time</b>	
Tip sensor	500 ms
Battery level update	5 s
<b>Max range detection, open air</b>	
FAULT, MAP	
Array mode	4.75 m (15.6 ft)
Unit mode	5.9 m (19.4 ft)
OPEN	
Unit mode	2.7 m (8.9 ft)
<b>Display</b>	
Size	6.86 cm (2.7 in)
Dimensions (W x H), VA	35.28 mm x 58.8 mm (1.4 in x 2.3 in)
Resolution	240 pixels x 400 pixels
Type	Graphic LCD display module, transfective TFT, monochrome
Backlight	Yes
<b>Start up time</b>	<3 s
<b>Drop test</b>	1 m (3.28 ft)
<b>Power consumption</b>	<45 mA, typical without sound or light
<b>Battery life</b>	>16 hr, typical without sound or light
<b>Low battery indicator</b>	Yes
<b>Auto off time</b>	No

## Transmitter

<b>Measurement category</b>	CAT III 1500 V dc / CAT IV 600 V ac
<b>Operating voltage</b>	1500 V dc / 600 V ac
<b>Trace signal indications</b>	Graphical display, audible beep
<b>Trace signal operating frequency</b>	
FAULT, MAP	6.25 kHz
OPEN	32.764 kHz
<b>Response time</b>	
Voltage level update	1 s
Battery level update	5 s

<b>Typical trace signal current output</b>	
FAULT, MAP	
Array mode: HIGH	30 mA rms
Array mode: LOW	6 mA rms
Unit mode: HIGH	120 mA rms
OPEN	
Unit mode: HIGH	100 mA rms
Unit mode: LOW	30 mA rms
<b>Typical trace signal voltage output in an open circuit</b>	
FAULT, MAP	
Unit mode: HIGH	30 V rms
OPEN	
Unit mode: HIGH	30 V rms
Unit mode: LOW	25 V rms
<b>ANALYZE Function</b>	
Voltage range	0 V dc to 1500 V dc No voltage measurement if high capacitance and resistance detected
Voltage resolution	1 V
Resistance range	≈ <5 kΩ FAULT, ≈ 10 kΩ FAULT, ≈ 50 kΩ, ≈ 100 kΩ, ≈ 500 kΩ, ≈ >1 MΩ No resistance range if high capacitance and resistance detected
<b>Transient protection</b>	10.00 kV (1.2/50 μS surge)
<b>Fuse</b>	Little fuse SVX (V or C) series 1 A, 1500 V, fast-acting 50 kA interrupt rating, not user replaceable
<b>Display</b>	
Size	11.01 cm (4.4 in)
Dimensions (W x H), VA	90.8 mm x 68.4 mm (3.6 in x 2.7 in)
Resolution	320 pixels x 240 pixels
Type	Graphic LCD display module reflective black monochrome
Backlight	Yes
<b>Start up time</b>	<2 s
<b>Drop test</b>	1 m (3.28 ft)
<b>Power consumption, typical without sound or light</b>	
FAULT, MAP	
Array mode	<70 mA
Unit mode	<210 mA
OPEN	
Unit mode	<80 mA
ANALYZE	<30 mA

## GFL-1500

### Product Specifications

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<b>Battery life, typical without sound or light</b>	
FAULT, MAP	
Array mode	≤15 hr
Unit mode	≤8 hr
OPEN	
Unit mode	≤15 hr
<b>Low battery indicator</b>	Yes
<b>Auto off time</b>	No