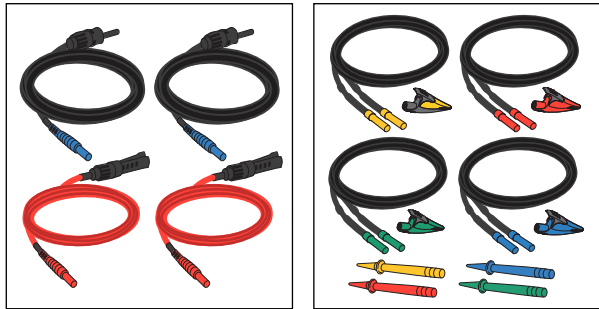
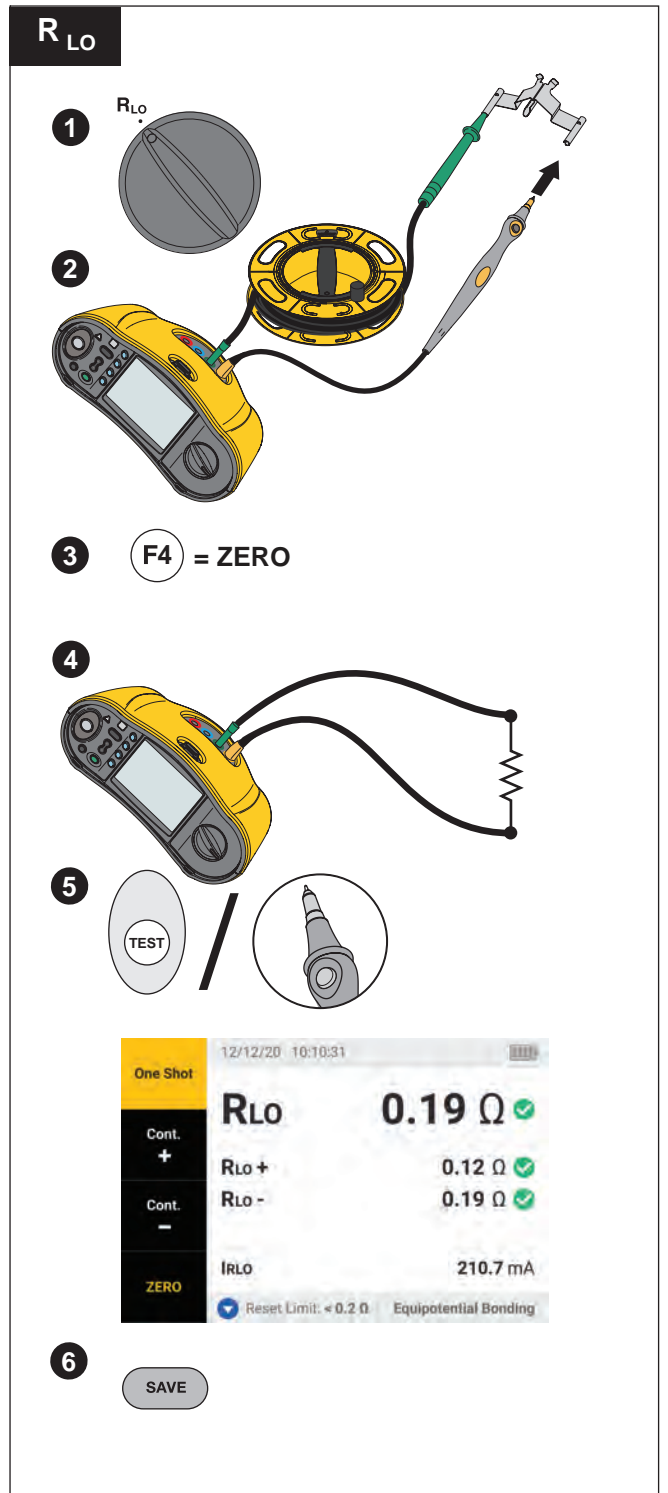
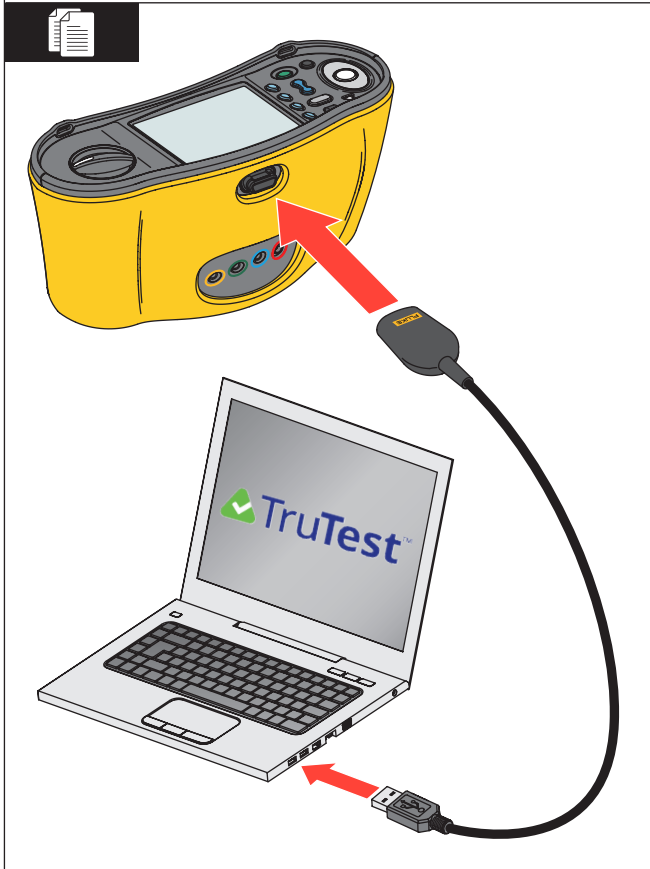
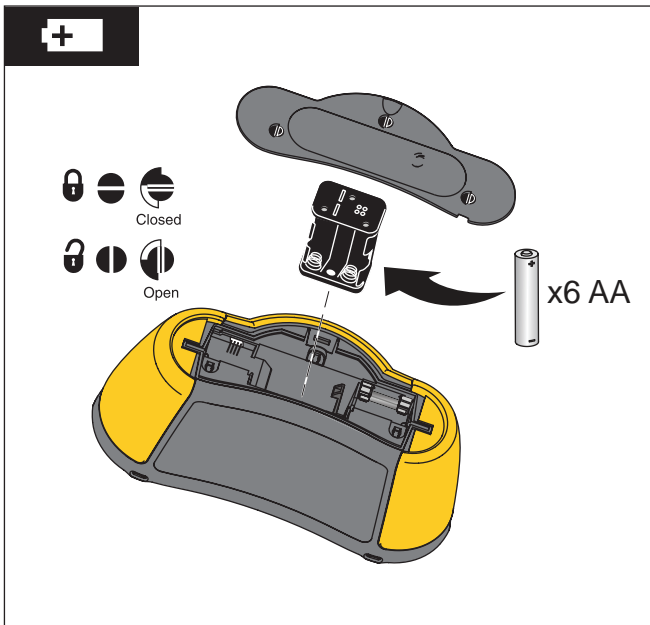




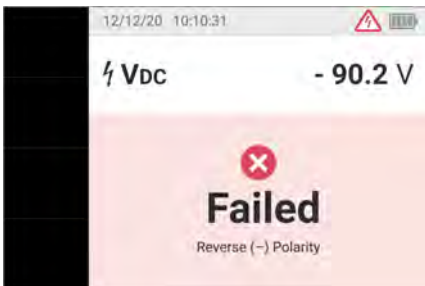
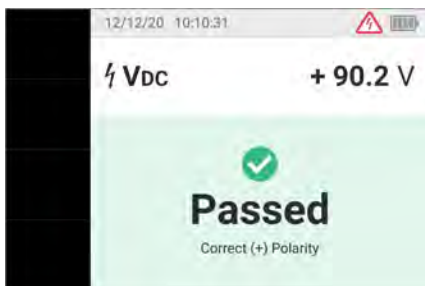
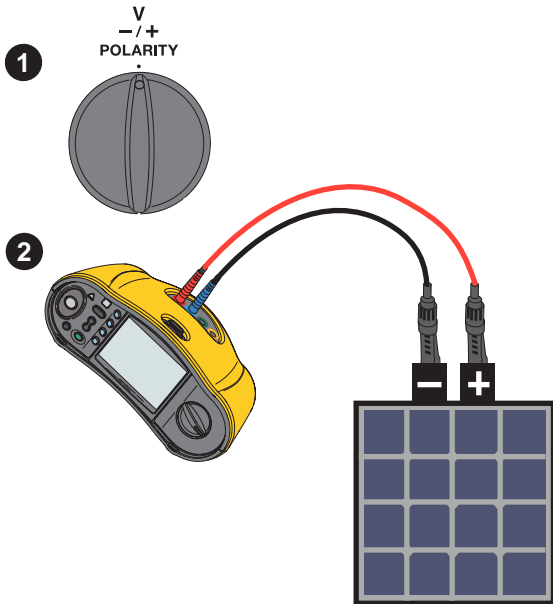
# SMFT-1000 Multifunction PV Analyzer



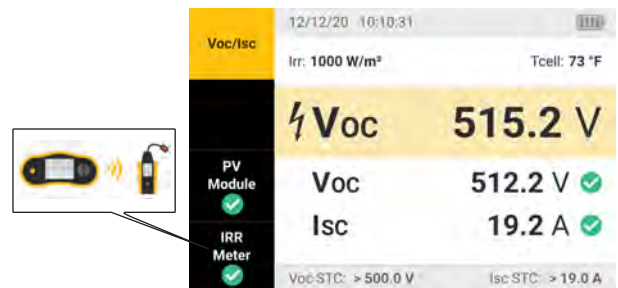
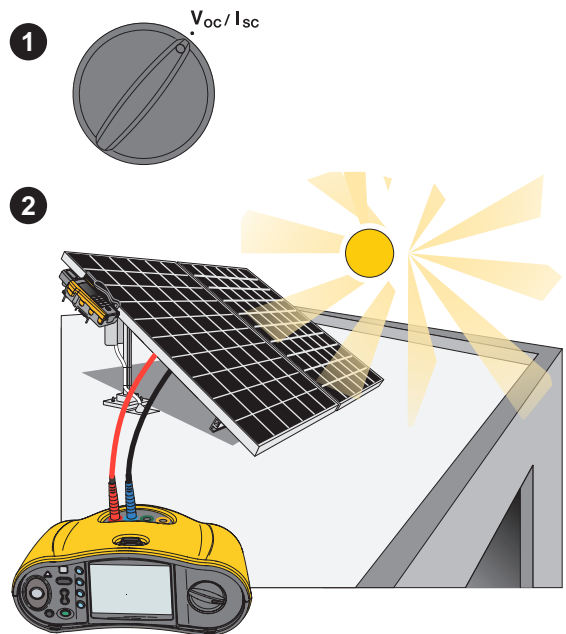
PN 5292395 9/2022  
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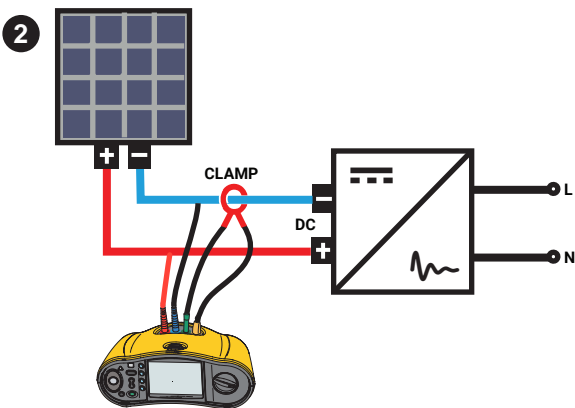
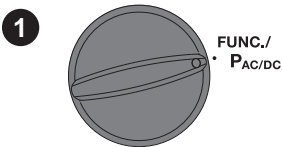
## V +/- POLARITY



## V<sub>OC</sub>/I<sub>SC</sub>



## FUNC./P<sub>AC/DC</sub>



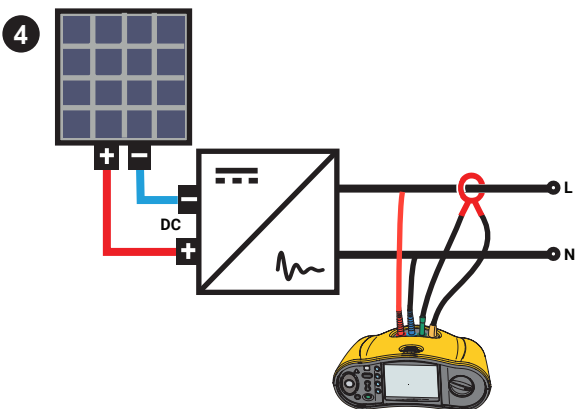
3

TEST

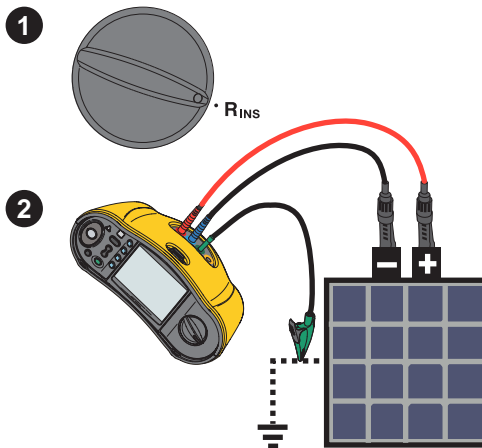
	12/12/20 10:10:31	
	DC	AC
Power	19.97 kW	---
Voltage	993.9 Vdc	--- Vac
Current	20.1 Adc	--- Aac
P	19.97 kW	--- kVA

Measure AC side  
Press F3 to hold AC measurements.

Functional  
Reset



## R<sub>INS</sub>



3

SAVE

12/12/20 10:10:31	
Rins I	
Rins II	RINS (II) 1.23 MΩ
Rins Cont.	
Wet Insulation	VINS 512 V
	Reset Vn: 500 V Limit: > 1.0 MΩ

5

TEST

	12/12/20 10:10:31	
	DC	AC
Power	19.97 kW	18.89 kVA
Voltage	993.9 Vdc	989.1 Vac
Current	20.1 Adc	19.2 Aac
P	19.97 kW	18.89 kVA

Measure AC side  
Press F3 to hold AC measurements.

Functional  
Reset

6

F3 Efficiency Factor: 94.5 %

7

SAVE

# I-V

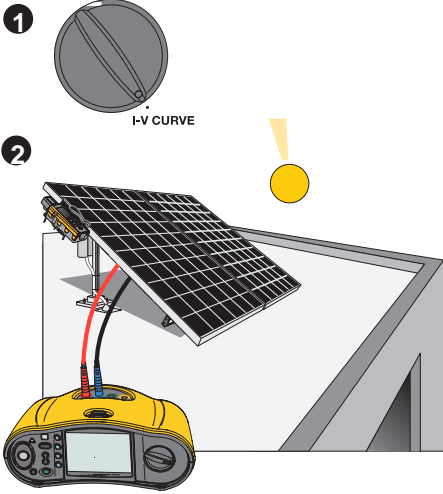
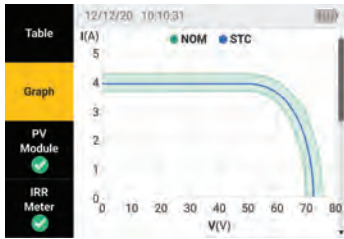


Table 12/12/20 10:10:31

Irr: 1000 W/m<sup>2</sup>      Tcell: 73 °F

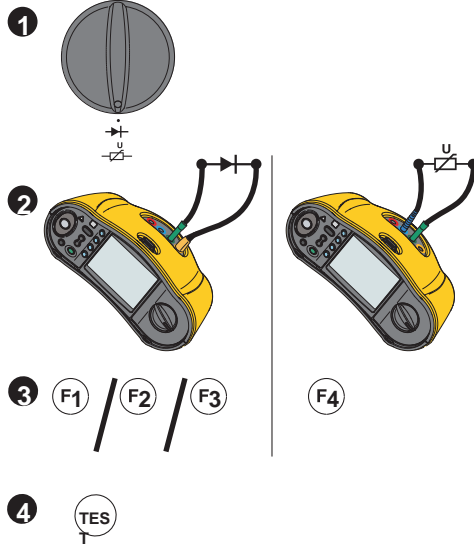
	NOM	STC
Voc	44.4 V	40.2 V
Isc	5.4 A	5.1 A
Vmpp	50.2 V	50.1 V
Impp	6.4 A	6.1 A
Pmpp	175 W	170 W
FF	95 %	92 %

Pass Criteria: 5%



3 SAVE

# +/ - u



Bypass Diode 12/12/20 10:10:31

Blocking Diode

Diode

V<sub>DIODE</sub> 1.11 V

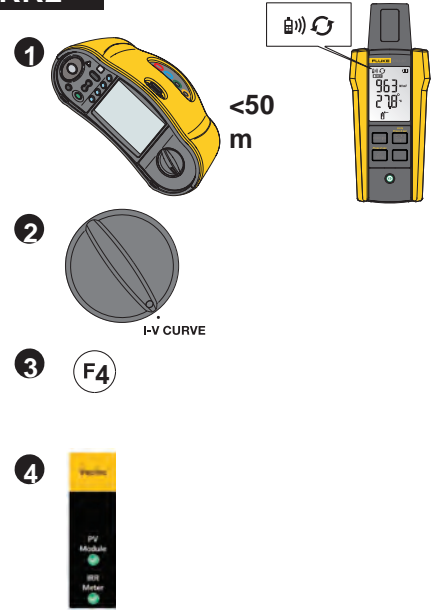
I<sub>0</sub> 210.2 mA

SPD

Shunt Limit: 0.5 V - 1.65 V

5 SAVE

# IRR2-



# Memory

Select 12/12/20 10:10:31

Memory

13 Saved Measurements

Client/Site

New Site A

Test Engineer

None Assigned

Device Settings

Help