

MICROSCANNER SUPER E

Finds Hot Spots with "Machine Gun" Speed, . . . Accurate, Fast, Safe



Continuously Scans for Hot Spots.

You not only can see every hit on the fast color-coded display, but hear it as well with the audible heat seeker!

Why "shoot" at hot spots one shot at a time with an IR gun, when you can scan them with rapid automatic "fire"?

The palm-size Microscanner "E" and "Super-E" models are the infrared scanners which scan electrical equipment faster, safer and with more accuracy than "point and shoot" guns, because they are designed from the "ground up" for rapid electrical scanning - like using a machine gun instead of a pistol. Because of outstanding speed and color-coded display, the "E" models can scan twenty panels in the same time it takes to scan one panel with a conventional IR gun. Because of the higher optical resolution, scanning can be from farther away, thus improving safety for the professional.



EXERGEN
CORPORATION

The inventors of hand-held electrical IR scanning.

INFRARED SCANNERS

for
Electrical Professionals.



IR.1PROBE

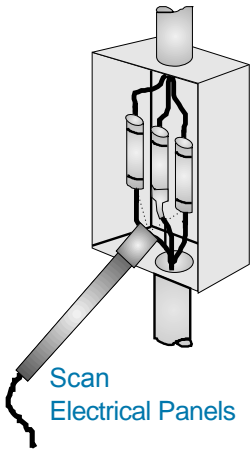


Microscanner E

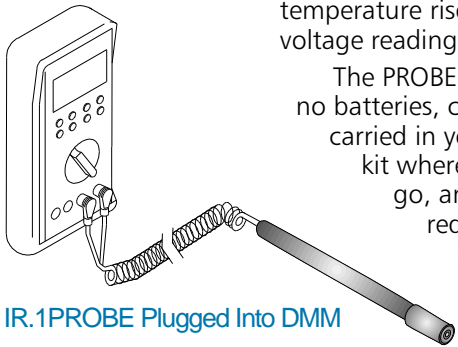


Microscanner SUPER E with Laser

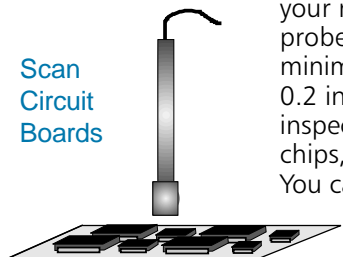
Plug-in Infrared Probe for Digital Multimeters



Scan
Electrical Panels



IR.1PROBE Plugged Into DMM



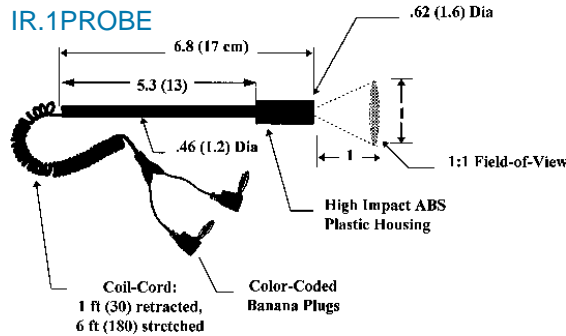
Scan
Circuit
Boards

The IR.1PROBE provides the power of infrared scanning for your electrical and electronic systems with a probe not much larger than the standard voltage probes that you use with your DMM. Accordingly, you can find shorts, loose connections, bad components, etc. by simply scanning with your probe and determining the temperature rise by the voltage reading.

The PROBE requires no batteries, can be carried in your toolkit wherever you go, and requires only a little more space than

your regular voltage probes. With a minimum spot size of 0.2 in (5 mm), you can inspect the smallest chips, splices, and clips. You can even plug the PROBE into your oscilloscope!

Small Size Fits Any Toolbox. Low Cost Fits Any Budget.



IR.1PROBE

Field-of-view	1:1
Output signal	0.1 mV/°C (Temperature rise above probe temperature)*
Accuracy**	1°C (lifetime calibration)
Target Distance	up to 3 in (8 cm)
Minimum Spot	0.2 in (0.5 cm)
Range	-50 to 1200°F (-46 to 650°C)
Operating	-50 to 175°F (-46 to 80°C)
Response time	0.1 second (not including DMM)
Power requirement	None
Construction	Impact resistant, hermetically sealed, intrinsically safe
One-handed operation	Clips to standard probe holder
Price	

* for insulator targets up to approximately 100 °C rise. For higher temperatures, refer to manual.

** @ 25°C ambient, 35°C 0.9 emissivity target, meter error not included.

SPECIFICATIONS

Selection of the correct IR Scanner depends primarily on the distance to the targets to be scanned. The following recommendations can be used to select the optimum model:

Scanning Distance Recommended	Model
up to 3 in (7.5 cm)	IR.1PROBE
up to 12 ft (4 m)	Microscanner E
up to 50 ft (15 m)	Microscanner Super E

For heavy duty scanning, the Micro E and Super E are the models of choice for electrical professionals because the inspection can be performed **more accurately, in less time, and more safely** than with infrared "guns". The table below compares the E models to a typical gun model, which shows why the E models are the IR scanners of choice for serious electrical professionals.

	Microscanner		IR Gun*
	Super E	E	
Field-of-View (max)	200:1	50 :1	30:1
Maximum Distance for 1 in (2.5 cm) spot	17 ft (5 m)	4 ft (1.3 m)	2.5 ft (0.8 m)
Scan Readings/sec	20	10	1** to 4
Time to Scan 1 x 4 ft (.3 x 1.3 m) Panel @ Distance	<30secs @17 ft (5 m)	<60secs @4 ft (1.3 m)	2.5 to 10 mins @2.5 ft (0.8 m)
Resolution	0.1°C	1°C	1°C
Automatic Ambient	yes	yes	no
Scanning Display/ Thermal Patterns	yes	yes	no
Color-coded Scale	yes	yes	no
Locking Display	yes	no	yes
Peak Hold Display	yes	no	no
Audible Heat Seeker	yes	no	no
Waterproof Case	yes	no	no
Weight	7 oz (200 g)	6 oz (170 g)	20 oz (600 g)
Warranty	3 years	1 year	1 year
Price			
Optional Laser Sight			

* Typical conventional infrared gun

** Est. time to read display