TEMPOS
THERMAL PROPERTIES ANALYZER

METER

SUPPORT

Have a question or problem? Our support team can help.

We manufacture, test, calibrate, and repair every instrument in house. Our scientists and technicians use the instruments every day in our product testing lab. No matter what your question is, we have someone who can help you answer it.

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TEMPOS QUICK START

Preparation

Confirm that TEMPOS components are intact, including the selected sensors.

Read the full TEMPOS Manual at metergroup.com/tempos-support. All products have a 30-day satisfaction guarantee.

Controller Configuration

The TEMPOS controller date and time must be set prior to use. When the unit is turned on, this notification and configuration screen will appear automatically. Future changes can be made in the Device Configuration screen.

NOTE: TEMPOS can be reset at any time by holding down the POWER button for 5 s.

Sample Considerations

Measurements are best taken in a thermally stable environment such as a styrofoam box. Avoid outside sources of temperature drift such as sunlight on the sample, air flow, or fluctuating room temperatures.
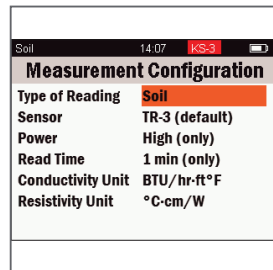
Measurement

1. Select Reading Type

Turn the device on using the **POWER** button.
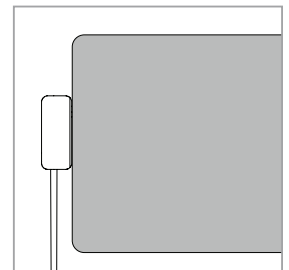
Navigate to the Measurement Configuration screen.

Select the Type of Reading field (consult the TEMPOS Manual for details of each type).

Soil	14:07	KS-3	
Measurement Configuration			
Type of Reading	Soil		
Sensor	TR-3 (default)		
Power	High (only)		
Read Time	1 min (only)		
Conductivity Unit	BTU/hr·ft°F		
Resistivity Unit	°C·cm/W		

2. Install Sensor

Insert the sensor needles completely into the sample material. Ensure a minimum of 1.5 cm of material parallel to the sensor in all directions.

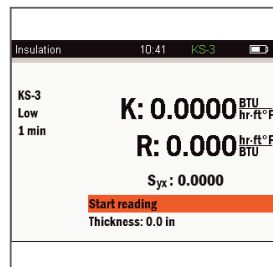Allow 15 min for equilibration after installing the sensor.

3. Take a Reading

Plug the sensor cable into the TEMPOS controller.

Navigate to the Take a Reading screen and highlight Start reading.

Press the **CENTER** button.

COMPLETE! will briefly flash in the title bar at the end of the reading.

Insulation	10:41	KS-3	
KS-3 Low 1 min	K: 0.0000 BTU/hr·ft°F		
	R: 0.000 hr·ft°F/BTU		
	S_{yx}: 0.0000		
Start reading			
Thickness: 0.0 in			

4. Save Reading

Choose to save, annotate, or discard reading.

Soil	10:44	TR-3	
MAKE SELECTION BELOW			
KS-3 Low 1 min 68.9 °F	K: 1.1773 BTU/hr·ft°F		
	R-0.0 R-Value		
	S_{yx}: 0.0000		
Save (no name)			
Annotate and Save			
Save as Verification			
Discard			