

OS425-LS QUICK Start Guide

Battery Installation

Open the battery compartment on the front of the device by pulling in the direction of the arrow.



Insert two “AAA” batteries into the battery holder.

Once battery is installed, close the lid battery compartment.

How to turn on the unit

- Press the trigger of device to power on
- Reading will be continually display in realtime but will “hold” on last seen reading when trigger is released

Switch between Celsius and Fahrenheit

To switch from °C to °F or vice versa, please follow these steps:

- Press and release trigger (arrow #1)
- Press the “°C/F” button to toggle to °F (arrow #2)



- Press the “°C/F” button to toggle to °C (arrow #2)

Field of view

- Field of view, or distance to spot ratio, is the size of an area that can be measured from a specified distance. As the distance from the object increases, the spot size of the measuring area becomes larger. Make sure the target is larger than the unit’s spot size.

FIELD OF VIEW: 50:1 (e.g. you can be 50 inches away to view a 1 inch target, 100 inches away to view a 2 inch target, etc.)

Emissivity

- Emissivity describes how well an object can emit IR energy. The OS425-LS has adjustable emissivity from 0.10 to 1.00.

Material	Emissivity	Material	Emissivity
Aluminum	0.30	Iron	0.70
Asbestos	0.95	Lead	0.50
Asphalt	0.95	Limestone	0.98
Brass	0.50	Paint	0.93
Brick	0.90	Paper	0.95
Carbon	0.85	Plastic	0.95
Ceramic	0.95	Rubber	0.95
Concrete	0.95	Sand	0.90
Copper	0.95	Skin	0.98
Dirt	0.94	Snow	0.90
Frozen Food	0.90	Steel	0.80
Hot food	0.93	Textiles	0.94
Glass (plate)	0.85	Water	0.93
Ice	0.98	Wood	0.94

Contact Information: If you need technical support, please call 1-888-826-6342.