

## OS-836-301 QUICK Start Guide

### Battery Installation

Pull open the battery compartment (1), connect 9V battery to the correct positive and negative terminals (2), place connected battery into battery compartment and close cover (3).



### How to turn on the unit

- Press the trigger of device to power on

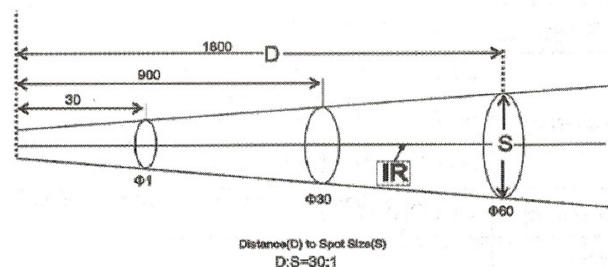
### Switch between Celsius and Fahrenheit

The default setting for the temperature unit is in Celsius. Please follow the below steps to change the temperature units to Fahrenheit.

- Press the “SET” key to cycle through the different modes.
- In all modes except REC, press the “UP/DOWN” button to change temperature units. “UP” is Celsius and “DOWN” is Fahrenheit.

### 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. Please see field of view diagram for the OS836-Series below.



### Emissivity

- This is how well an object can emit IR energy. The OS-836-301 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
Basalt	0.70	Oil	0.94
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.