

# WIRELESS

## ENOCEAN STRAP-ON, DUCT, REMOTE, AND OUTDOOR TEMPERATURE SENSORS EASYSENS TEMPERATURE SENSORS

### DESCRIPTION

The **Thermokon EasySens Temperature Sensors** are solar powered EnOcean wireless sensors. They provides wireless temperature sensing for variety of applicaitons; duct, immersion, pipe strap-on and outdoor sensing.

These temperature sensors communicate with other Thermokon EnOcean based receiver controllers (models frequency dependent).

### FEATURES

- **EnOcean Wireless with Battery Backup**
- **Easy to Install with Learn Button**
- **Adjustable Transmission Interval**
- **Model Options for Variety of Applications**



SR65



SR65-TF



SR65-AKF



SR65-VFG



### SPECIFICATIONS

#### DEVICE OPERATION

<b>Supply Power</b>	Solar cell standard, 2 cm goldcap,
<b>Opt. Battery</b>	3.6V, 1.1Ah, 1/2 AA, Lithium LS14250
<b>Battery Life</b>	5 years @ 100 second intervals
<b>Sensor Type</b>	Thermistor
<b>SR65</b>	OSA Probe, 1/4" SS x 1" Long
<b>SR65-TF</b>	Remote Probe, 1/4" x 2" Long, 1m plenum cable
<b>SR65-AKF</b>	Duct, 1/4" x 5" Long
<b>SR65-VFG</b>	Strap-On, 1/2 to 2" NPT/copper pipes
<b>Transmitted Range Value</b>	
<b>SR65</b>	OSA Probe, -4° to 140°F (-20° to 60°C)
<b>SR65-TF</b>	Remote Probe, -4° to 140°F (-20° to 60°C)
<b>SR65-AKF</b>	Duct, 50° to 194°F (10° to 90°C)
<b>SR65-VFG</b>	Strap-On, 50° to 194°F (10° to 90°C)
<b>Accuracy</b>	±1.5°F (0.8°C)
<b>Indication</b>	Inside enclosure
<b>Time Interval</b>	TI-Jumper, 10, 100, 1000 s, send signal
<b>Time Wakeup</b>	TW-Jumper 100 or 1000 s, Measure value
<b>Program Learning</b>	Button
<b>A/D Resolution</b>	±0.55°F
<b>Mounting</b>	Enclosure has through hole for mounting
<b>SR65</b>	Two through holes
<b>SR65-TF</b>	Two through holes
<b>SR65-AKF</b>	Two through holes
<b>SR65-VFG</b>	Strap-On, Strap directly to pipe with nylon tie
<b>Operating Temperature</b>	-13° to 149°F (-25° to 65°C)
<b>Operating Humidity</b>	0 to 85% RH, non-condensing
<b>Construction</b>	ABS Plastic, UL94 V-0
<b>Enclosure Rating</b>	NEMA 4/IP65
<b>Dimensions</b>	1.8"H x 2.3"W x 3.1"D (4.6 x 5.8 x 7.8 cm)

#### Weight

<b>SR65</b>	OSA, 0.29 lb (0.13 Kg)
<b>SR65-TF</b>	Remote Probe, 0.35 lb (0.16 Kg)
<b>SR65-AKF</b>	Duct, 0.33 lb (0.15 Kg)
<b>SR65-VFG</b>	Strap-On, 0.29 lb (0.13 Kg)

#### Warranty

2 years

#### RADIO

##### Protocol

EnOcean

##### Frequency

902 MHz, (Classic 315 MHz available on request)

##### Modulation

Direct Sequence Spread Spectrum - (DSSS)

##### Transmit Power

10 dBm (10mW)

##### Open Air Range

328' (100m)

##### Channels

One

##### Device Addresses

100 transmissions per minute

##### Programming

Push button in field

##### EnOcean Equipment Profile

EEP #, Defines payload and control sequence use

##### SR65

A5-02-14, Temperature -4° to 140°F (-20° to 60°C)

##### SR65-TF

A5-02-14, Temperature -4° to 140°F (-20° to 60°C)

##### SR65-AKF

A5-02-17, Temperature 50° to 194°F (10° to 90°C)

##### SR65-VFG

A5-02-17, Temperature 50° to 194°F (10° to 90°C)

##### Repeater Capable

Yes, (can increase open air range x2)

##### Compliance

FCC ID: R4N-AW900M, IC:5303AAW900M, RoHS

### ORDERING INFORMATION

#### MODEL†

SR65  
SR65-AKF  
SR65-TF  
SR65-VFG

#### DESCRIPTION

Outdoor Air Temperature  
Duct Temperature, 5.3" probe  
Cable Temperature, 3.2ft, Remote probe  
Strap-on Temperature

† Add -902 for 902 MHz or -315 for 315 MHz at the end of the part number to order.

#### ACCESSORIES

LS14250

Lithium batteries for external power supply