EL-WiFi-21CFR-TH
21CFR Remote WiFi Temperature & Humidity Sensor

- Can be installed as part of a 21CFR compliant system with additional controls including permission-based use, authority level sign-off and full system audit
- -20 to +60°C (-4 to +140°F) temperature and 0 to 100% humidity measurement range
- Wirelessly stream and view data on the EasyLog 21CFR Cloud
- Easy sensor set-up using free EasyLog Cloud 21CFR WiFi Sensor Software
- Configurable high and low alarms with indicator

The EL-WIFI-21CFR-TH measures the temperature and humidity of the environment in which it is situated.

Data is streamed wirelessly over any compatible WiFi network to be viewed on the EasyLog 21CFR Cloud. During configuration, the sensor will search for an existing wireless network whilst physically connected to the PC. It can then be placed anywhere within range of the network. If the sensor temporarily loses connectivity with the network, it will log readings until it is able to communicate again with the EasyLog 21CFR Cloud (max 30 days at 10 second sample interval). The unit is freestanding, but it can be attached to a wall or surface using the bracket provided.

The sensor is IEEE 802.11bgn (2.4GHz) compliant, supports WEP, WPA/WPA2 encryption and enterprise networks (PEAP, TTLS, FAST).

SPECIFICATIONS

	Minimum	Typical	Maximum	Unit
Battery life		>6		Months
USB supply voltage	4.5	5	5.5	Vdc
Operating temperature range	-20 (-4)		+60 (+140)	°C (°F)
Logging period (user configurable)	10 sec	10 min	12 hrs	
Transmission period (user configurable)	1 min	1 hr	24 hrs	
Temperature measurement range	-20 (-4)		+60 (+140)	°C (°F)
Temperature measurement resolution		0.1 (0.2)		°C (°F)
Temperature display resolution		0.1		
Temperature accuracy		±0.3/±0.6* (+5 to +60/ +41 to +140)	±0.8/±1.6* (-20 to +60/ -4 to +140)	°C/°F
Humidity measurement range	0		100	%RH
Humidity measurement resolution		1.0		%RH
Humidity display resolution		1		
Humidity accuracy (@ 25°C)		±2* (20 to 80)	±5.0* (0 to 100)	%RH
Dimensions	82 x 70 x 36mm (3.22 x 2.75 x 1.41")			

*Please refer to the charts in this datasheet for more detailed accuracy specifications.

ACCESSORIES

PSU-5VDC-USB-USA	USB Mains Power Adapter for USA
PSU USB-UK	USB Mains Power Adapter for UK
PSU USB-EU	USB Mains Power Adapter for EU

INCLUDED IN THE BOX

EL-WIFI WALL BRACKET	Wall mounting bracket for EL-WiFi sensors
CABLE USB A-MICRO B	USB Type A to Micro B

21CFR COMPLIANCE

Permission based use and access	✓
Authority based action sign-off	✓
Data records cannot be edited or deleted	✓
Complete system audit trail	✓
For a detailed compliance checklist, please visit www.lascarelectronics.com/data-brochures	

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