sensorProbe - Wireless Tunnel™ Server (SP-WTS)

Collect up to 30 Wireless Tunnel™ Sensors

sensorProbe Wireless Tunnel™ Server collects, stores and graphs data from all AKCP wireless sensors. Ethernet connectivity to access sensor data via the web UI, SNMP, Modbus TCP/IP or MQTT. AKCPro Server provides central monitoring of multiple gateways.

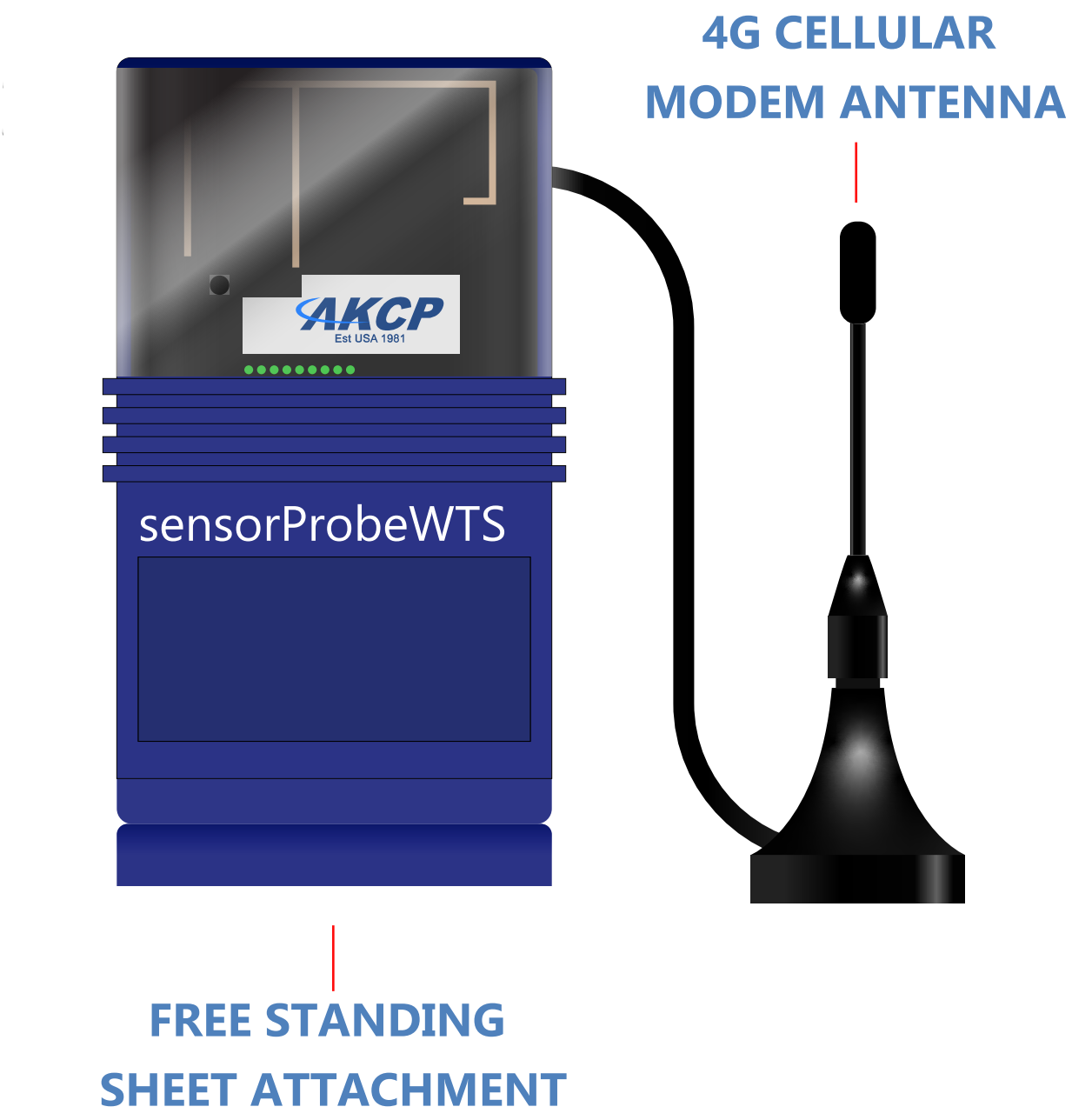
Optional:
PoE
4G Cellular Modem and GPS
Modbus RS485 port



SP-WTS - Options

SP-WTS comes supplied with mounting options for DIN rail, wall hanging, magnetic mounting and free standing feet. It can also be equipped with a 4G cellular data modem.

Optional:
PoE
4G Cellular Modem and GPS
Modbus RS485 port



SP-WTS - Technical Specification

Status Indication	LED indication for power LED for Radio connectivity LED for Status
Components	Manufactured using highly integrated, low power surface mount technology to ensure long term reliability
Operating Environment	Temperature : Min. -15° C – Max.50° C Humidity: Min. 20% – Max. 80% (Non-Condensing)
MTBF	1,400,000 Hours based on field experience with sensorProbe units.
Connectivity	Ethernet 10/100 Mbps Optional Integrated 4G cellular modem with external antenna Optional GPS with external antenna (requires 4G modem)
Inputs	1x USB for LoRa devices adding/software upgrade 1x 10/100 Ethernet Port 3x intelligent sensor ports for connecting AKCP wired sensors Optional Modbus RS485
LoRa (R) Radio Regional plans	- EU868 : 863~868Mhz Max TX Power +14dBm Duty Cycle 1% - US915: 903~915Mhz Max TX Power +20dBm - AS923 : 920~925Mhz Max TX Power +14dBm Duty Cycle 1% - KR920 (Korea) : 922~923Mhz Max TX Power +14dBm Duty Cycle 1% - IL917 (Israel) : 915~917Mhz Max TX Power +14dBm Duty Cycle 1%
Certification	FCC Part 15C, CE EN300220-2
Software features	- up to 30 Wireless device connected - up to 32 Wireless sensors can be graphed - Total of up to 400 sensors can be online (Wireless and Virtual)
Power	External USB 5.5V 3A Power Adapter
Dimension	111 (W) x 62 (H) x 87 (D)
Mounting	Desktop, wall mount, DIN rail, Magnetic

SP-WTS - Technical Drawing

