



B14-101 & B15-101 & B16-101

Wi-Fi Universal Sensors Transmitter

Wi-Fi universal transmitter supports one external instrument via terminal block and works in conjunction with a 0V-5V, 0V-10V, or 4-20mA output device. Sensoscientific Wi-Fi transmitters are high speed wireless modules with PEAPv0 enterprise security, capable of collecting, storing and transmitting data wirelessly over a standard 802.11 b/g (Wi-Fi – RF Frequency 2.4 to 2.497 GHz) with TCP protocol. Each transmitter monitors against preset conditions that are defined by the user and can provide audio and visual alert. Additional alerts can be provided through a variety of methods such as SMS, text, mail, pager, cell phone, fax and e-mail. Information recorded to the database is time-stamped and cannot be altered through the user interface. Universal A/C power supply included.

Our Pressure Differential Gauge easily connects to the universal transmitter. Pressure ranges are available as low as 0.1 in. W.C. up to 10 in. W.C. full scale. The pressure transducers sense differential or gauge (static) pressure and convert this pressure difference to a proportional high level analog output for both unidirectional and bidirectional pressure ranges, with choice of +/- 0.25%, +/- 0.50% or +/- 1.0% full scale accuracy.

Key Features include:

- 📶 True embedded Wi-Fi solution
- 📶 Patented Firmware
- 📶 NIST certified Snap-Calibration
- 📶 Ok-push button to force real-time device reading
- 📶 Multi LED for connectivity status
- 📶 In-house ISO17025 Certified Calibration Lab
- 📶 Integrated Glycol Bottle
- 📶 No proprietary software
- 📶 Device independence - no extra hardware
- 📶 Scalability
- 📶 Lowest total cost of ownership
- 📶 Optional A/C power adapter
- 📶 FDA 21 CFR part 11 compliant
- 📶 Validated FIPS Compliant Microsoft® Azure Cloud

B14-101 & B15-101 & B16-101 Product Specifications

Loop Voltage/Current	0V-5V, 0V-10V, 4-20mA
Memory	On-transmitter buffer storage
Warranty	1 year warranty
Housing	ABS plastic enclosure with silicon rubber covers on open ports. Removable glycol vial holder 180 degree adjustable antenna
Mounting	Easy zip tie mount hooks with screw holster wall mount for easy mount & removal
Accuracy	0-5V +/- 0.5% (+/- 25mV), 0-10V +/-0.5% (+/- 50mV) 4-20mA +/-0.5% (+/- 0.1mA)
Connection Type	Supports type 2 (2 wires), type 3 (3 wires) & type 4 (4 wires) loop connection configuration
Radio Protocol	IEEE 802.11 b/g compatible
Enterprise Security	PEAPv0 with EAP-MSCHAPv2 (PEAP)
Speed	Wi-Fi 802.11 b/g 54Mbps
Ambient Operating Range	-40°F to 167°F (-40°C to 75°C) Up to 95% RH
RF Frequency	2.4 to 2.497 Ghz
Power Supply	(4) 3.6V AA Lithium Thionyl (included) External AC/DC Power Supply – UL certified
Battery Life	Approximately one year based on standard 20 minute sample rate
Dimensions	Height: 4”3/4 (120 mm) Width: 3” (76mm) - 4” (100mm) with vial Thickness: 1”1/4 top (32mm) & 2”1/8 bottom (54mm)