


THUW1103 IN HEAD WIRELESS UNIVERSAL TEMPERATURE TRANSMITTER

 The **TEKON ELECTRONICS IN HEAD WIRELESS UNIVERSAL TEMPERATURE TRANSMITTER** is specifically designed to meet the most rigorous requirements of operation in the industrial process environments. Due to its reduced dimension it may be installed in the DIN Form B sensor connection head in place of the traditional terminal block or current loop temperature transmitter. The THUW1103 is battery powered, and as an extreme low power operation mode that guaranty a long battery life. In its high power mode it can communicate over a long distance range (up to 5 km line of sight). It accepts the most commonly used temperature sensors.

The measured information (Sensor Temperature, Ambient Temperature, RF Signal Strength and Battery Status) are transmitted wireless to the receiver WGW1104 and are available on the RS485 interface with Modbus protocol.

The operating parameters like the sensor probe type and transmission interval can be easily configured using the OTA - Over The Air setup and configuration function.

The Battery level and RF link quality may be verified on site during the installation process.



Long distance range (5 km LOS)

Extreme low power

Long battery life

Real time transmission

Universal sensor input



RELATED PRODUCTS



WGW1104 WIRELESS MODBUS GATEWAY

- Supports up to 16 THUW1103 Temperature Transmitters
- Long distance range (5 km LOS)
- 1sec network refresh time
- RS485 interface with Modbus protocol
- Transmitters battery status and RF link quality information
- Configurable over USB
- DIN rail mounting



TEMPERATURE PROBES

The Tekon Temperature Probes guaranties a complete measuring solution for all applications. Supports all conventional sensors (Resistance thermometers, Thermocouples, Thermistors, 1-Wire), thermowell, insulation materials, connection heads and process connections.

