

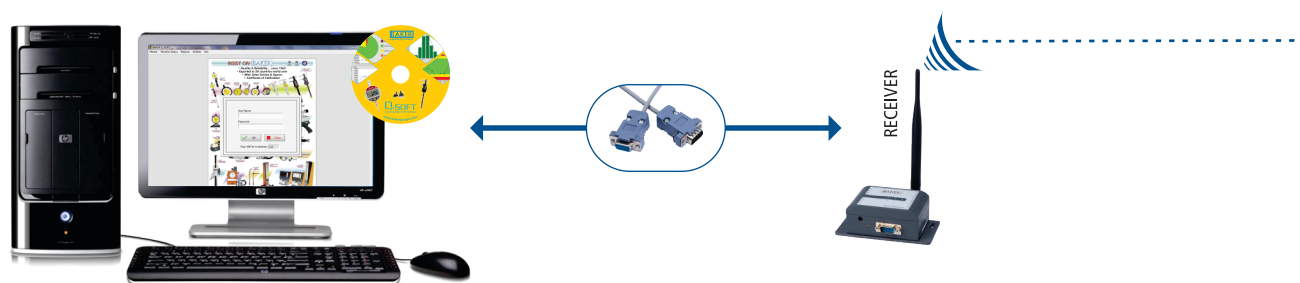
Wireless Data Acquisition

Baker provides a wireless data transfer system to transfer reading from Baker digital instruments and read out units to a centralized PC.

DATA TRANSMISSION SIDE



DATA RECEIVING SIDE



FEATURES

- RS232 compatible Baker electronic measuring instruments, each equipped with a Wireless Transmitter (WT), can be interfaced to a Wireless Receiver (WR) at PC end
- Small and compact wireless modules, easy to use
- License free operating frequency (2.4GHz), ISM (Industrial Scientific & Medical) frequency band
- RS232 interface
- Wireless communication up to 250Kbps
- In-built network security like: 128 bit AES (Advance Encryption Standard) Encryption, 16 bit customized Network ID
- Supports Mesh network topology
- Transmission range 100 meters, this depends on environment and clear line of sight
- Transmission range can be extended using active Baker instruments fitted with Wireless Transmitters or Wireless Repeaters (WRP)
- Very high receiver sensitivity and low power operation

NOTE

- If clear line of sight, between antennas of WTs and WR is interrupted, then one or more WRPs will have to be introduced
- Number of WRPs that will be required for a networking project, cannot be ascertained at the beginning, and can be fully determined only during installation and commissioning