

The “Residential” wireless transmitters for gas metering applications, are end-points of the NexusData automatic meter reading solution. These modules operate in NexusData’s Fixnet, the network that achieves long range coverage while maintaining a highly reliable communication link.

The devices transform a utility’s existing meter base into a high-powered data collection resource that can drive new sources of information to better manage operating costs, customer service, and energy deployment. Transmitted messages contain meter reading data, status, and online alerts. Readings can be transmitted in pre-selected intervals, typically daily. Alert messages are transmitted immediately, once the module detects an exception such as tampering. The easy installation, cost of the module and long life make NexusData the smart choice for your data collection needs.

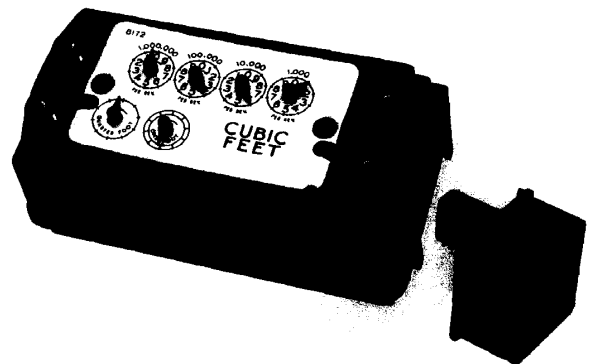
Unique Features

By far, the most powerful advantage of all NexusData modules is the powerful one-watt transmitter that requires fewer receive sites and keeps deployment costs to a minimum. “Residential” units are fueled by lithium batteries which, because of NexusData’s optimization technology, will last over ten years under normal operating conditions. The units are designed and manufactured to withstand even the most punishing environments. They are housed in a sealed, unobtrusive, weatherproof enclosure and are installed between the meter and the meter index.

A key characteristic of all NexusData meter modules is their ease of installation. The transmitter is delivered as a self-contained module. A handheld terminal with a wireless interface, programs the initial settings—initial ID information, reading intervals, etc- eliminating the need to open the module. Field technicians can retrofit existing meters in a matter of minutes, without disrupting service or inconveniencing customers. A separate sealed and waterproof battery compartment makes replacing batteries equally easy by simply removing the index cover and sliding in a new battery pack in place of the old one.

Compatibility

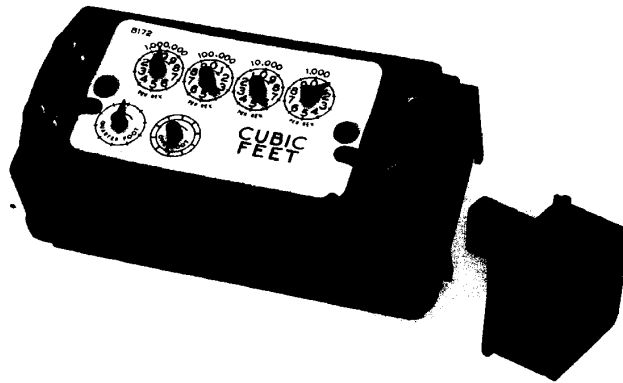
The “Residential” portfolio includes modules adapted for gas meters manufactured by American Meter, Invensys/Equimeter (Rockwell), Schlumberger (Sprague), and others.



For more information, contact NexusData at 817-416-9805
or visit our website at www.nexusdata.com



RF Output 30dBm (1 Watt)
Range Urban area (typical) – 5-10 miles (8-16 km)
Data Rate 4KBps
Chip Rate 1Mchip/sec
Frequency Range 903.8 – 926.2 MHz, 57 channels x 400 kHz steps
Modulation Direct Sequence Spread Spectrum with BPSK
Memory Non-volatile
Power Supply Lithium Battery
Battery Life (typical) Over 10 years for daily reads
Power Consumption 750mA TX
3uA Standby
Meter Compatibility American Meter
Invensys/Equimeter
Schlumberger
Operating Temperature -30°C to +80°C
Alerts Magnetic Tamper
Warranty 13 months from date of shipment



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