Vision Metering
AN AUSTIN INTERNATIONAL COMPANY

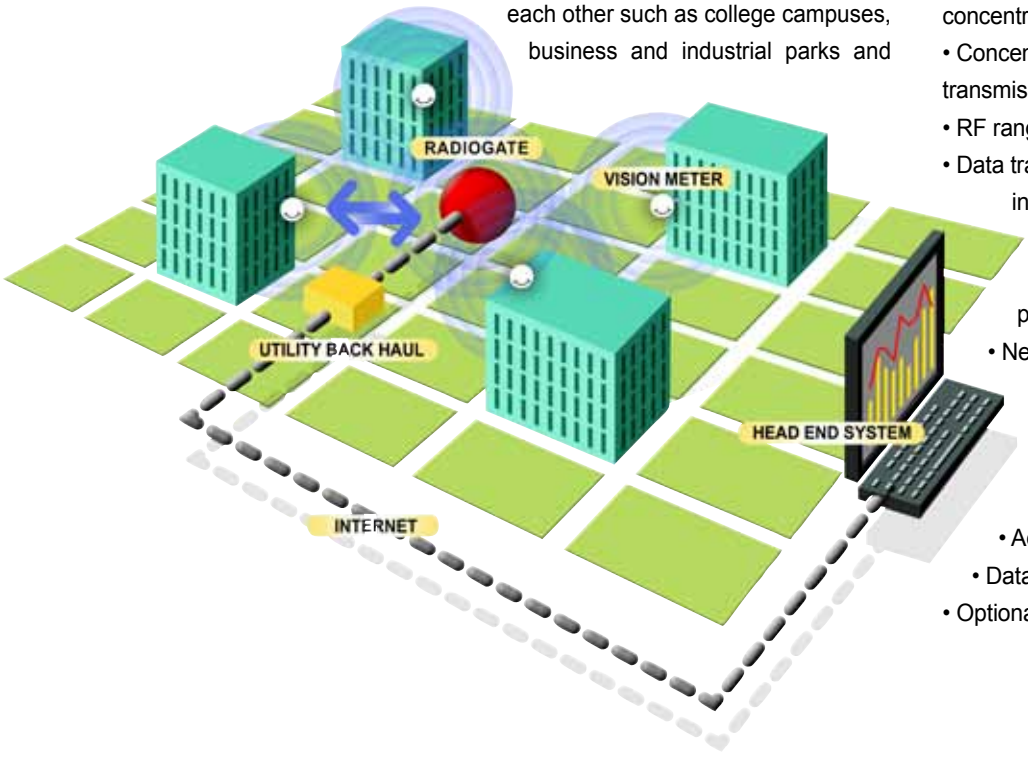
DataOnDemand™ is Vision Metering's new Smart Grid System specifically designed for Commercial, Industrial and Singlephase applications.

Smart Grid System

DataOnDemand provides Real Time Pricing, Demand Control and Management, Co-Generation coordination through control of customer-owned generators and provide alarms at specific demand thresholds.

The VISION meter Smart Grid System works on 400 and 900 Mhz frequencies through a two-way radio that provides communications to and from the Vision RadioGate. The Vision RadioGate is connected to the network via a TCP server, TCP client or UDP client (Universal Data Point). IP addresses are either Static or Dynamic. The Vision RadioGate can also be connected to a cellular modem via any of the RadioGate's communications ports.

DataOnDemand is best utilized where a significant number of meters are within close range of each other such as college campuses, business and industrial parks and hospital complexes. The VISION meter is programmed to transmit data at one-minute intervals providing an almost instantaneous data stream. The Head End System collects data and determines what to communicate to the customer via the same communications path.



Vision Meterings's VISION meter family offers performance for Commercial and Industrial Advanced Metering Infrastructure applications. The VISION's **DataOnDemand** communication platform utilizes robust 900 MHz radio communication between the VISION Meter and RadioGate to provide real-time data for use with demand side management systems.

DATA ON DEMAND FEATURES INCLUDE:

- RF star network
- Unlimited meters can be assigned to a single concentrator
- Concentrator deployment based solely upon RF transmission/reception
- RF range: 300-1,000 yards, line of sight
- Data transmission options include: kWh, max. kw, instantaneous kw, voltage, current and phase angle for all three phases
- Transmission schedule: 1 to 60 minutes, programmable
- Networking: TCP server, TCP client, UDP client, Static or Dynamic IP addressable

ONGOING ENHANCEMENTS:

- Two-way communication
- Advanced utility grade security
- Data storage onboard collectors
- Optional 400MHz RF band

Product Specifications

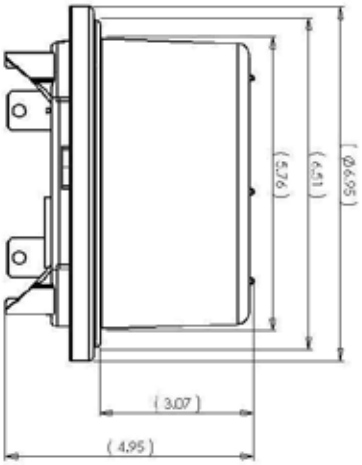
Available Forms:

1S, 120V, Class 100
2S, 240V or 480V, Class 200 or Class 320
3S, 240V, Class 20
4S, 240V, Class 20
5S, 120V/240V, Class 20
6S/36S, 120-480V, Class 20
12S, 120/208V, Class 200
8S/9S, 120-480V, Class 20
14S/15S/16S, 120-480V, Class 200 or Class 320

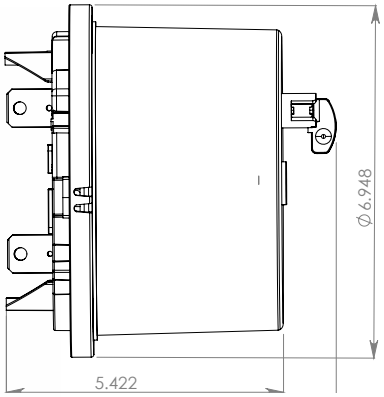
Applicable Standards (meets or exceeds)

- ANSI C12.1-2001 for electricity metering
- ANSI C12.10-1987 for watthour meters
- ANSI C12.20 1998 for solid state-electricity meters
- ANSI C37.90.1-1989
- ANSI C12.18
- ANSI C12.19

Singlephase



Polyphase



RadioGate Collector

Meter capacity: 50+
Range: Up to 1,000 yards
Output formats: MVRS, ModBus/TCP

Standard Features:

Outputs: Ethernet, Mini USB
Repeater function
Onboard Memory
Pulse Inputs: Two form A
Pulse Outputs: Two Form A

Optional Features

Cellular Modem
External antenna
Expanded Memory
RS-232
Modbus RTU