



## Morning Reports - Daily Reports - Alarms - CSV Data and More!

MeterStar is a feature rich daily monitoring communication solution to fit the needs of almost any producer, with it's ease of use and easy to install MeterStar will

MeterStar now supports a wide range of devices using native communication protocols to support a wide selection of Electronic Gas Measurement(EGM) meters.

- ABB TotalFlow (both Modbus and TotalFlow ASCII)
- Bristol Babcock 33xx and ControlWave (BSAP Protocol)
- Control MicroSystems RealFlow based 4202 GFC (Modbus)
- Dynamic Fluid Measurement EChart (Modbus)
- Fisher Rosemont / Emerson 103,407,503 (ROC Protocol)
- FlowStar DCR-900 Turbine meters (Modbus)
- Generic Enron Modbus devices



The five I/O ports on the MeterStar board can be configured for individually selected Analog or Digital Input, or digital output. When configured as analog input a 10 bit A/D is utilized over a configurable 0 to 5 VDC, 1 to 5 VDC, or 4 to 20mA range. Each input can be configured for alarms supporting a Low Low, Low, High, or High High setpoint. In addition to reporting upon alarm, a current status is sent each day.

Our advanced notification methods include e-mail sent to any user configurable e-mail address or via a selection of SMS (Short Message Services) gateways to most cell phones world wide that support text messaging.

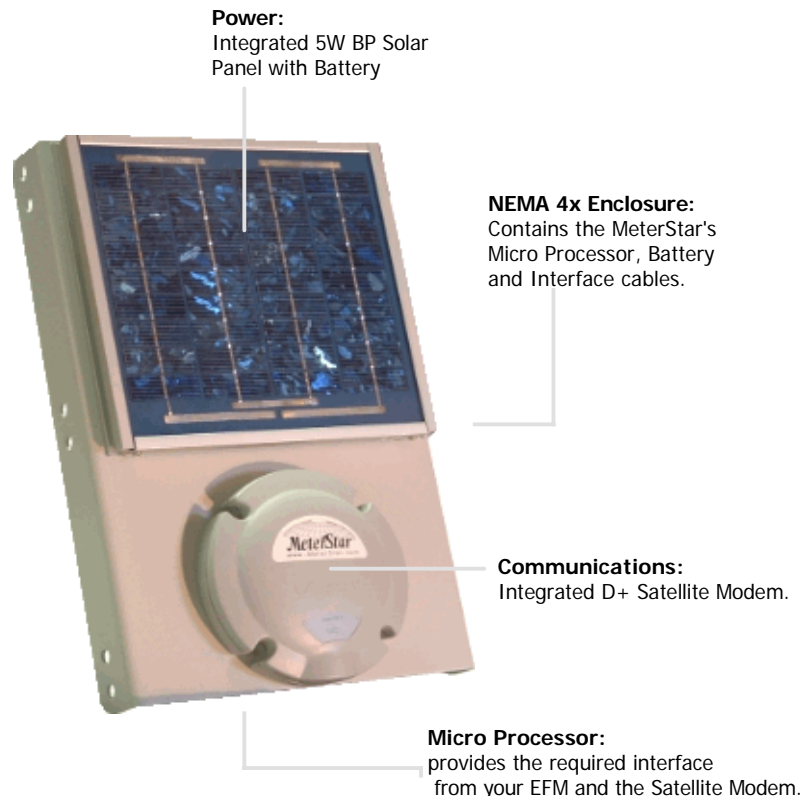
Typical applications include:

- Compressor Monitoring (run / stopped, suction, discharge, temp)
- Process Monitors such as tank levels, chemical injection and more
- Environmental Sensors and Alarms through RemoteIO (odor and gas sensors)
- Remotely monitor any sensor that provides a standard compatible output

With new features and new devices supported, we are confident that MeterStar is the best satellite solution on the market today.

### Applications

- Natural Gas Monitoring
- Compressor Monitoring
- Tank Monitoring
- H2S Monitoring
- Remote Alarm Alert
- Home Land Security



## Features

- Comprehensive Web Host
- Secure point to point communications
- RS232 / RS485 Customer Interface
- Rapid Deployment
- Mounting hardware included
- Class 1, Division 2

## Web Host Features

- Cygnet friendly data
- Add/Edit Nodes
- Add Companies
- Add users
- View/Print Morning Reports
- Set Alarm Status
- Set Notify (SMS, Email, Pager)
- Demand Poll Units
- Snap Shot History
- Daily History
- Save CSV data

## Technical Specifications

### Modem

- Integrated Skywave 2 way modem.

### Coverage Area

Virtually worldwide

### Data price plans

- Per Transmission

### Power Requirements

+9 V to +30 V

### Types

- Short panel no solar (Requires on site power)
- Long panel with solar & battery

### Environmental Conditions

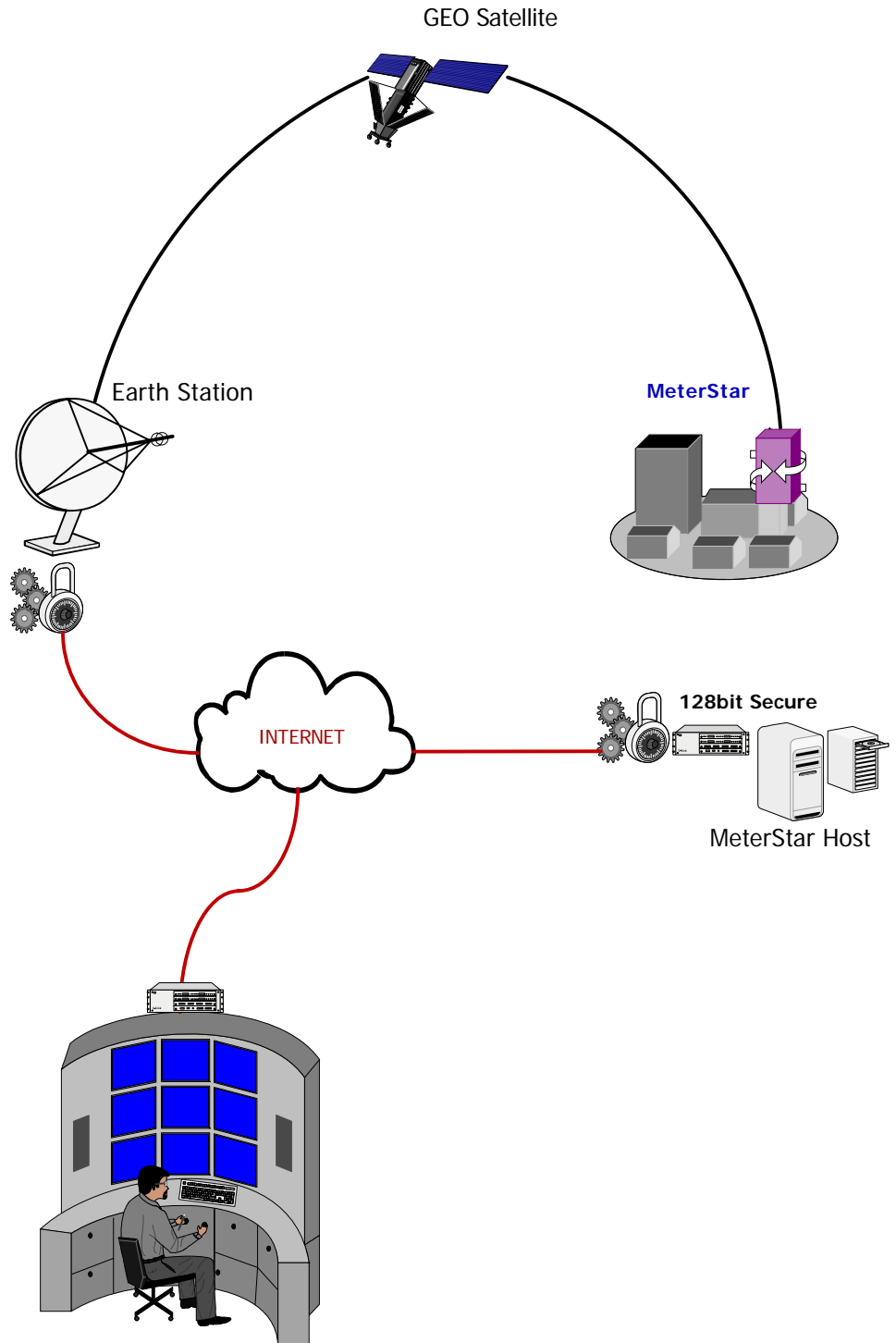
- Operating -30 to +60 C
- Storage -40 to +85 C

### Customer Interface

RS232 or RS485

### Host Protocols Supported

- Inmarsat



## Network

MeterStar uses the INMARSAT satellite network to transfer the data back to Crystalline Technology, Inc secure database server.

### Crystalline Technology, Inc.

67 N Silicon Dr - Pueblo West, Co 81007

Tel: 719-543-2577

Fax: 719-543-2578

WEB: [www.Crystalline.us](http://www.Crystalline.us)

E-Mail: [info@ExtraNetCC.com](mailto:info@ExtraNetCC.com)

