The **Data Handler (DH)** is an Optically Isolated Signal Conditioner, a Data Logger, a Remote Terminal Unit (RTU), and a Smart Controller (mini PLC) in a small package.

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**Features**
- Low Power (6 mADC)
- RS232C Port (Optional RS485)
- Real-time Clock
- Small Package Size
- P ’n’ P Connections
- Hermetically Sealed
- Field Configurable
- Addressable
- Non-Volatile Memory
- Up to 8,000 Data Points
- Watch Dog Timer
- 24/7 Factory Support

**Protocols**
- ASCII
- Modbus (ASCII/Binary)
- DF1
- DNP3

**Applications**
- Oil & Gas Exploration
- Mandated Reporting
- Environmental Impact Studies
- Oceanographic Activity Analysis
- Site Remediation Monitoring
- Home Land Security
- Water/Wastewater Management

**Benefits**
- Lower Installation Costs
- Simplified Communications
- Remote Diagnostics
- Real-time Data Acquisition
- Prolonged life of Legacy Equipment

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**Overview**

The Data Handler is a hermetically sealed, low power, multi-function micro-controller based product that is easily incorporated into a variety of Supervisory Control and Data Acquisition system designs.

It includes optically isolated input signal conditioning for various sensors, status contacts, relay and analog outputs, a built-in data logger and support for a number of commonly used communication interface protocols.

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AGM Electronics, Inc
PO Box 32227
Tucson, AZ 85751
P (520) 722-1002    F (520) 722-1045
www.agmelectronics.com
**Data Handler (DH) - Application Examples**

**Electro-Corder**

- User Configurable Programming for Data Storage and Control
- RS232C or RS485 to Interface with Radio and Cellular Modem Equipment
- 0-20 VDC Power @ G.3 millamps. For extended use with Battery or Solar Powered Applications
- Any Flex Sensor Input
- Contact Outputs for Control
- Internal Memory for Data Storage
- Self Contained, Hermetically Sealed Package
- Pipe Pressure Integrity
- Tank Level
- Ready to Use

**Beep-Alert**

- Modem
- Data Handler SPM9009D2N
- Level/rate of change Site location
- Time
- Any switch or analog input Battery BEEPALERT

**Ten Segment Linearizer**

**Average with Time**