



## DX2 Data Sheet

### Overview

**DX2** is the latest addition to the DX range of web enabled remote communications terminals (RCTs) delivering a high level of quality and performance as expected from every Dexdyne system.

This entry-level unit has been engineered and specifically designed for applications where continuous monitoring is essential on a modest budget.

**DX2** is supported by the easy to use cloud based Enterprise Dashboard interface. This can provide valuable user facilities such as real-time access to live mimics. You can visualise and control remote processes from a single login to any web enabled device; iPad, iPhone or Android.

Live data acquisition, SMS alerts, reports, graphing and data downloads in CVS or XLS format are standard features. Reports can be delivered automatically as emails helping to maximise efficiency and the day to day management of any remote operational site.

### How does it work?

The **DX2** unit connects seamlessly to all existing equipment. There is no need to change any of your current infrastructure. It can connect to your plant signals directly via I/O or Modbus serial links over an RS485 connection, ADSL landline or built in 3/4G GSM modems. Other protocols can also be supported to enable the **DX2** to deliver critical business information about your remote processes. Data is acquired and updated at a user configurable frequency.

The RCT has no moving parts, eliminating any risk of mechanical failure, electrical shorts and surges which may cause problems. Your data is always secure with the **DX2** unit.

### Applications

**DX2** RCTs are suitable for all operational applications.

- Standby Gensets with or without controllers
- Pump monitoring
- Energy sub-metering
- Refrigeration & Air condition monitoring
- Environmental monitoring
- Compressor monitoring

### Technical Specification

|                               |  |
|-------------------------------|--|
| External Communication        | 10/100 Ethernet Port for Internet Connection<br>Wireless GSM/GPRS/3G (optional)<br>GPS (optional)  |
| Plant Communication I/O       | RS232<br>RS485 (Multi-drop)<br>4 x Digital Inputs(0-24V)<br>4 x Digital Outputs<br>24V@150mA/channel max<br>4 x Analogue Inputs<br>0-10V 12 bit resolution   |
| Plant Communication Protocols | Modbus/TCP<br>Modbus/RS485   |
| Alarm Reporting               | SMS Messaging  |
| Security                      | 2048-bit SSL<br>Multi-user, multi-level password-protected access  |
| Data Logging                  | Scalable logging of data from connected equipment  |
| Software Update               | Remote software update   |
| Hardware Features             | Low-power<br>No moving parts   |
| Physical Features             | Dimensions: 91 x 106 x 61 mm<br>Weight: 300 grams<br>Operational Temperature Range: 0-55 °C<br>Humidity: 0 - 85%<br>Non condensing<br>Power Supply-10-30V DC<br>Power consumption:<br>3W typical under normal operation<br>6W typical when modem is transmitting |