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Product Name :
Data Collection Platform 64 Bit

Product Code :
LBNY-0002-830022



Description :

Data Collection Platform 64 Bit

Technical Specification :

Data collection platform

CPU: not less than 64 Bit with embedded operation system (OS) software (Windows CE, Linux, other) for the running of multiple independent computer programs (multitasking);

Non-volatile memory on a flash technologies basis

Internal monitoring timer (watchdog timer) for automatic device reset in the event of failures internal battery backup for clock

Inputs:

Possibility to interface 10 different electronic sensors having analog or digital outputs, including: Volt, 4-20 mA, tipping bucket, event counters.

Include following input channels:

Not less than 8 analog inputs galvanically separated (ADC resolution ? 16 bit)

No less than 1 digital inputs: RS-485

SDI-12 protocol support with capability to connect up to 32 digital sensors

Time Stamp: Individually with 1 sec. resolution

Data Storage: At least 1.000.000 values, non-Volatile memory (3 years autonomy)

Display

LCD display with backlight, at least 2-line, 20-character

Visualization of measures collected, Visualization of operational and diagnostics parameters

Protection: Lighting, over voltage, and reverse voltage protection (fuse)

Operating Voltage: 10.0 to 16.0 VDC

Power Consumption: Interface

Standard RS232 and USB thumb drive, Window based user-friendly software for data download and parameters configuration on site suitable for data logger communication and off-line data transfer to PCs

English language version

Enclosure: IP 66 enclosure for a humid environment

Operating Conditions: Temperature: -10°C to 60°C; Humidity: 0 – 100 % (without condensation);

NEMA Enclosure and Accessories

NEMA Enclosure safety locks of good quality for electronic equipment

The enclosure is big enough to host comfortably the data logger, battery, solar panel, regulator, satellite transmitter unit, GSM unit, battery charger, electrical protection devices, other electronic equipment.

Material can be stainless steel plate or UV resistant synthetic material protection degree IP67 (NEMA 4) or better safety locks of good quality

Metallic support to fix the NEMA enclosure to a metallic mast

The NEMA case is installed in such a way as to defer vandalism

All cables is protected by a robust flexible conduit and no cables is exposed to outdoor conditions.

Cabling between the equipment is well organized and protected adequately for easy maintenance.



Laboratory Instrument India