pharmalogger

COOL CHAIN
CHAIN OF **CONFIDENCE**

DATASHEET: PHARMALOGGER CONTROLER
HUMIDITY AND TEMPERATURE DATA LOGGER

- Temperature range from -200 °C to +600 °C
- Relative humidity range from 0% to 100%
- Fully calibrated with 1.8%RH accuracy
- Fully calibrated with 0.2 °C accuracy
- GAMP compliance
- LAN interface (100Mbps Server communication)
- 4 Digital input, (4Xtemp-hum probe)
- 4 Analog input (door open switch,fault…)
- 1 RS485 input (RFID Reader…)
- 1 RS232 input (PLC, industrial…)
- 3 LED indicator (power, read data, error)
- Internal memory 100000 records
- Low power consumption
- Excellent long term stability
- 4Ah 12V Battery

PHARMALOGGER CONTROLER is a self-contained,precision data logger for recording and control environmental conditions in whole process of manufacturing,storage and distribution of temperature and humidity sensitive products. High perform-ance advantage over competitive products by delivering higher accuracy, larger easurement capacity, and more features to make environmental data collection faster and easier than ever. The loggers provide a variety of features to reduce deploy-ment time, and offer new logging modes for recording and displaying more detailed data without extensive post-processing or memory use.

The network connected Pharmalogger Controler Is a new type of temperature and humidity data logger equipped with a built-in function that enables connection to and use over the Internet or other network such as a LAN network.
The downloading of recorded data, the monitoring of current readings and the sending of warning e-mails and SMS can all be done easily over the Internet or LAN network. The use of an Internet connection provides to manage temperature and humidity data from long distances.

Versatile with many applications
Refrigerators, freezers, cold/hot chambers, incubators, laboratories, cold rooms, warehouses, manufacture in pharmaceuti-cal industry; manufacture and storage all temperature and humidity products.

Built-in real time clock
All acquired data is time and date stamped.

Battery operation
Low-power operation runs on loose main power, and switch to 4Ah battery that provide up to 72h full functionality.

Programable alarm tresholds
Over/under alarms may be enabled for both temperature and RH to flag out-of-range-conditions.

NIST tracable option
The PharmaloggerControler can be provided with an NIST tracable certificate to satisfy contractual or regulatory requirements.

Memory	100000 data record (example 30min sampling 4 temp/hum probe = 520days)
Sampling Rate	1 minute to 24 hours, user-selectable
Battery Life	Min 72h
Dimensions	90X55X60mm
Temperature Range	-200°C - 600°C (depend on used probe)
Accuracy	Standard ± 0.2 °C ±0.1 °C with calibrated points acording to ISO 17025
Resolution	0.01°C
Response Time (airflow of 1 m/s)	3 minutes to 90%
Temperature Humidity Range	0-100%
Accuracy	Standard ±1.8% 1% with calibrated points acording to ISO 17025
Resolution	0.1%
Response Time (airflow of 1 m/s (2.2mph))	20 seconds to 90%