DICKSON

SM420

Display Temperature Data Logger

Specifications

Alarm Type: Audio/Visual on High/Low Temp Limits
Ambient Operating RH Conditions : 0-95% RH non-condensing (Logger only)
Ambient Operating Temperature Conditions: -4 to 158F (-20 to 70C)
Approvals: CE
Battery Backup: Yes, with use of AC Adapter
Battery Life (Avg): 6 Months
Cable Details: USB - Male Series A plug to 5 pin Male Series B mini plug. Serial - 9 pin female D-shell to male 2.5mm stereo plug
Cable Length: 6ft
Calibration Options: N100, N300, N400, N520
Channels: CH1: Temperature
Data Capacity: 32,000
Dimensions: 1.6 x 3 x 4in
Display Dimensions Height: 1.375
Display Dimensions Width: 2.0
Display Resolution: 0.1 from 0.0 to 999.99; 1 over 1000
Display Type: LCD
Display Update Rate: 10 Seconds (Battery Power), 1 Second (AC Power)
Download Time: 1 Minute (USB), 3 Minutes (Serial)
Download Type: USB / Serial / Flash Card
IP Rating: 20
Included Accessories: Four AA Batteries, Quick Start Guide and RTD Probe. *Software is not included.
Memory Type: EEPROM, Removable Flash Storage Device
Minimum Software Version Required: 9.0
Mounting Options: Wall Mount (With Keyhole)
Network Connectivity: MP100
PC Requirements: Microsoft Windows 98 or better; 16 MB RAM, 1 free USB root hub, CD drive, VGA monitor or better
Power Source: Four AA Batteries (User Replaceable) *AC Adapter is not included, but can be used.
Power Source Notes: AC Power is optional, but not included.
Power Status Indicator: LCD Display
Probe Cable: .110 inch diameter (cord only); .190 inch (probe tip only)
Probe Tip Length: 2inch
Remote Sensor Length: 6
Remote Sensor Type: Platinum RTD Probe
Response Time: 30 Seconds to 63% of Full Scale
Sample Interval: User Selectable (from 1 second to 24 hour intervals, in 1 or 10 second increments).
Software Options: A015, A016, A025, A026
Temperature Accuracy: +/-0.5F from -50 to 350F (+/-0.28C from -46 to 176C)
Temperature Range: -50 to 350F (-45 to 176C)
Temperature Sensor Type: Thermistor/RTD Probe

Unit Weight: 3 lbs
Units/Pkg: 1
Warranty: 12-Month Limited

Accessories SM420

Software
DicksonWare Software with USB Cable

Secure Software
DicksonWare Secure Software with USB Cable

Certificate of Validation
Certificate of Validation

Serial Download Cable
Serial Download Cable - length 6 feet (2m)

USB Download Cable
USB Download Cable - length 6 feet (2m)

AA Batteries
4 Pack AA Lithium Batteries

Memory Card
Removable Flash Memory Card

Card Reader Kit
Includes USB Reader and Flash Memory Card

AA Battery
AA Alkaline Battery

Universal Plug Kit for AC Adapter
Set of Three International Power Plugs for AC Adapter

AC Adapter
AC Adapter

Calibration Software
Logger Calibration Software

Accessories SM420

AC Adapter Extension Cable
10' Power Extension for AC Adapter

Calibrations

N100 1-Point NIST Traceable Calibration
N300 3-Point NIST Traceable Calibration
N400 3-Point Ultima NIST A2LA Accredited Calibration