DICKSON   SM320

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, CH2: 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 4' Bead-Wire Probe. *Software is not included.
Memory Type: EEPROM, Removable Flash Storage Device
Minimum Software Version Required: 8.3
Mounting Options: Wall Mount (With Keyhole)
Network Connectivity: MP100
PC Requirements: Microsoft Windows 98 or newer, 16 MB RAM, 1 free COM (serial) port with dedicated interrupt or 1 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
Remote Sensor Length: 4
Remote Sensor Type: 1 K T/C with Mini Connector
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: +/-1.8F from -22 to 122F [External Sensor] 3.8F Remaining (+/-1C from -30 to 50C [External Sensor] 2.1C Remaining)
Temperature Range: -300 to 2000F (-184 to 1093C)
Temperature Sensor Type: Thermistor/Thermocouple

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

Accessories SM320

Software
DicksonWare Software with USB Cable

Secure Software
DicksonWare Secure Software with USB Cable

Certificate of Validation
Certificate of Validation

Memory Card
Removable Flash Memory Card

Card Reader Kit
Includes USB Reader and Flash Memory Card

Glycol Bottle
Bottle of Propylene Glycol Solution - dampen temperature swings.

Accessories SM320

Thermocouple Extension
K-Thermocouple 100' (30m) Extension Cable

Shielded Immersion Probe
15' (4.5m) Shielded Thermocouple with 4" (10cm) stainless steel tip

Temperature Probe
6" (15cm) High Temperature Immersion Probe

Piercing Probe
4" (10cm) Thermocouple Handled Piercing Probe

Probe Extension
K-Thermocouple 10' (3m) Extension Cable

Temperature Probe
Replacement Bead Wire Temperature Probe

Accessories SM320

AC Adapter
AC Adapter

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

AA Battery
AA Alkaline Battery

Calibration Software
Logger Calibration Software

AA Batteries
4 Pack AA Lithium Batteries

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

Accessories SM320

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

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