Temperature / Humidity Data Logger
DR-20N series
IP65 Dust & Splash Proof
Battery changeable, Shockproof

☐ IP65 ☐ CE ☐ RoHS

☐ Change the Battery available
☐ Long-Life Battery
☐ Real-Time Recording
☐ Multi Use & Durable
☐ LED Status Information
☐ Max./Min./Hi-Lo Alarm
☐ IP65 Dust & Splash Proof, Shockproof
☐ Data-Logging up to 500,000 Readings
☐ DR-20N series collocations DFC-201U for work

Applications
Transport and Logistics,
Preservation of Foods, Fruits and precision instruments / lens...etc.
Long-term Record of Refrigeration and Fermentation Environment,
Storage and Delivery of Medical Drugs,
Record and Research of Ecological Environmental,
Warehouse, Laboratory, Museum, Dry Cabinet control

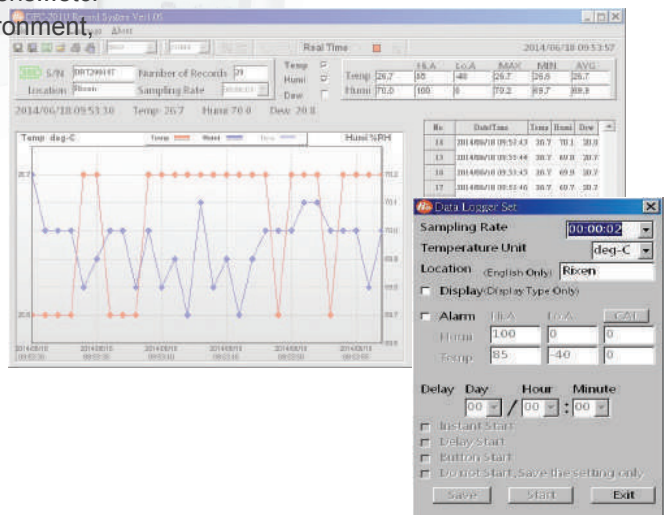## Model No. ※Select the Model Number based on your individual needs.

DR-20 Temperature Data Logger
LED Status information

DR-20D Temperature Data Logger
LCD Display & LED Status information

DR-22 Temperature / Humidity Data Logger
LED Status information

DR-22D Temperature / Humidity Data Logger
LCD Display & LED Status information

DFC-201U USB Docking Station and Software
※ Please refer to the next page

Specifications of DR-20N series

Model No.	DR-20	DR-20D	DR-22	DR-22D
Measuring Range	Temperature: -40~+85°C (-40~+185°F)		Temperature : -40~+85°C (-40~+185°F) Humidity: 0~100% RH Dew Point: -70~+85°C (-94~+185 °F) ※Displayed in software	
Resolution	Temperature: 0.1°C (0.1°F)		Temperature: 0.1°C (0.1°F); Humidity: 0.1%RH	
Accuracy	±0.5°C (±0.9°F)		±0.5°C (±0.9°F) / ±3%RH	
Memory	500,000 readings		Temperature: 250,000 readings, Humidity: 250,000 readings	
Display	LCD Display (DR-20D & DR-22D only) + LED Status information (Red & Green)			
Sensor	Precision semiconductor sensor			
Sample Rate	1 second to 24 hours, selectable in software			
Baud Rate	57600			
Battery Life	About 2 years typical (at above 0°C, 15 minute recording rate with display off and not set alarm function)			
DR-2BP	Battery replacement parts (option)			
Main Functions	**Generic features:** Real-Time, Software start / Button start / Delay start, IP65 Dust & Splash proof Red LED alarm indicator, Green LED blinks to indicate device is action, Built-in S/N, Digital calibration **Display type features:** Display the value of temperature and humidity simultaneously ; Max. Min. Hi/Lo Alarm ; Memory capacity and power indication ※Funtions of software, please refer to the instructions of DFC-201U			
Dimensions	80 × 53 × 16mm (3.15 × 2.09 × 0.63 inches)			
Weight	DR-20 / DR-22 Approx. 54g, DR-20D / DR-22D Approx. 60g			
Approvals	RoHS, CE, IP65			

※ Specifications are subject to change without notice.
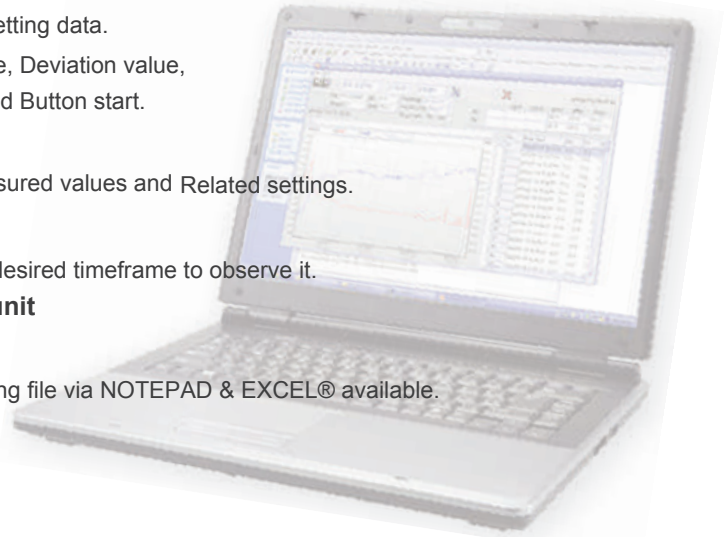
USB Docking Station and Software
DFC-201U for DR-20N series

Features of DFC-201U:

- Multiple Graphs and Statistics
- Real-Time Recording
- Automatic Time Synchronization
- Graphs Customizable, Zoom In / Zoom Out
- Digital Calibration and Deviation Revision
- Manual Start / Software Start / Delay Start
- °C / °F Available
- Data Table View
- Automatic export to MS Excel®

Software Main Functions:

- **Automatic search & Link:** Search for Data-Logger and connect it to PC automatically. Displaying COM PORT with Build-in setting data.
- **Multi Functional Settings:** Can be set of Alarm range, Deviation value, Sampling rate, Location registration, Delay start time, and Button start.
- **Real time:** Display real time data while recording.
- **Data sheet:** Display the Record period, Readings, Measured values and Related settings.
- **Statistics:** Max./ Min./ Averages display.
- **Trend Line:** Zoom in / Zoom out available, setting the desired timeframe to observe it.
- **Dew point calculation, convert to temperature unit**
- **Data table view and annotation**
- **Data Export:** Export internal data to .csv format, opening file via NOTEPAD & EXCEL® available.
- **Graphic Export:** Export graphics to .bmp format.

Accessories of DR-20N series:

DFC-201U

① DFC-201U
②
③
④

DR-2BP
(Battery replacement kits)

- Waterproof stopper x 4
- Lithium battery x 1
- Pin tool x 1

Shape of DFC-201U

Dimensions: 70×58×46mm (W×D×H)

Connect indicator (Green LED)

Mini USB Slot

Data loading indicator (Red LED)

① **DFC-201U**   USB Docking station
② **DR-USB-W**   USB computer interface cable
③ **DR-USB-S**   USB Flash Drive for software & Manual
④ **DR-1.05M**   User's manual