



# 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
- 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.

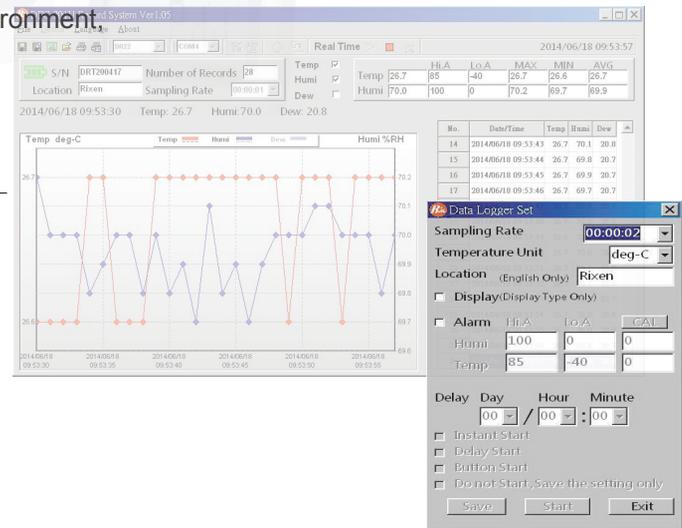
**DR-20** Temperature Data Logger  
 LED Status information

**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
<b>Measuring Range</b>	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	
<b>Resolution</b>	Temperature: 0.1°C (0.1°F)		Temperature: 0.1°C (0.1°F); Humidity: 0.1%RH	
<b>Accuracy</b>	±0.5°C (±0.9°F)		±0.5°C (±0.9°F) / ±3%RH	
<b>Memory</b>	500,000 readings		Temperature: 250,000 readings, Humidity: 250,000 readings	
<b>Display</b>	LCD Display (DR-20D & DR-22D only) + LED Status information (Red & Green)			
<b>Sensor</b>	Precision semiconductor sensor			
<b>Sample Rate</b>	1 second to 24 hours, selectable in software			
<b>Baud Rate</b>	57600			
<b>Battery Life</b>	About 2 years typical (at above 0°C, 15 minute recording rate with display off and not set alarm function)			
<b>No.DR-2BP</b>	Battery replacement parts (option)			
<b>Main Functions</b>	<b>Generic features:</b> 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 <b>Display type features:</b> Display the value of temperature and humidity simultaneously ; Max. Min. Hi/Lo Alarm ; Memory capacity and power indication ※ Functions of software, please refer to the instructions of DFC-201U			
<b>Dimensions</b>	80 × 53 × 16mm (3.15 × 2.09 × 0.63 inches)			
<b>Weight</b>	DR-20 / DR-22 Approx. 54g, DR-20D / DR-22D Approx. 60g			
<b>Approvals</b>	RoHS, CE, IP65			

※ Specifications are subject to change without notice.



# USB Docking Station and Software

## DFC-201U for DR-20N series

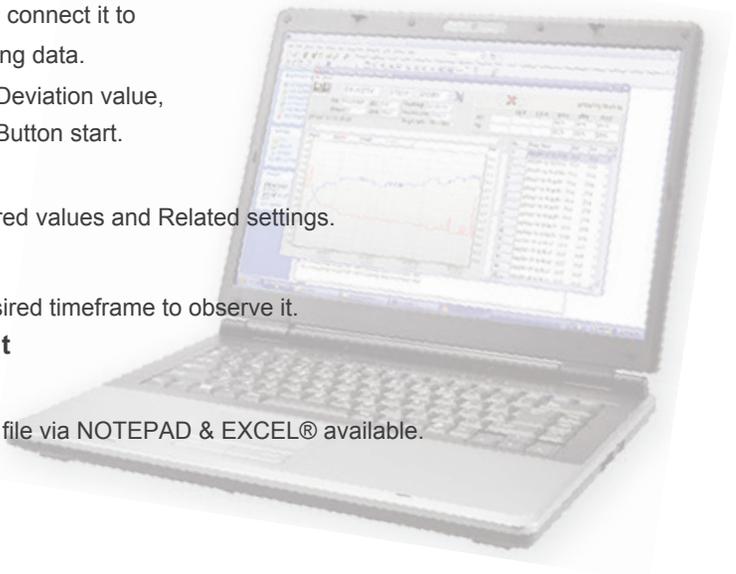
### Features of DFC-201U:

- 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** 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

#### 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)

