

Remote Units (Data Logger )				
	RTR-576		RTR-576-H	
Temperature/Humidity Sensor ( External )	THA-3151		HHA-3151 ( High-Precision Type )	
	Thermistor	Polymer Resistance	Platinum Resistance	Electrostatic Capacitance
Measurement Channels	Temperature 1ch	Humidity 1ch	Temperature 1ch	Humidity 1ch
Units of Measurement	°C, °F	%RH	°C, °F	%RH
Measurement Range (*1)	0 to 55 °C	10 to 95 %RH	-30 to 80 °C	0 to 99 %RH
Accuracy	±0.5 °C	±5 %RH [ at 25 °C, 50 %RH ]	±0.3°C [ at 0 to 50 °C ] ±0.5°C [ at all other temperatures ]	±2.5 %RH [ at 25 °C, 10 to 85 %RH ] ±4.0 %RH [ at 25 °C, 0 to 10 % or 85 to 99 %RH ] At temperatures other than 25 °C and ≥ 0 °C, add ±0.1 %RH per degree of difference from 25. Humidity Hysteresis: ±1.5 %RH or lower (*2)
Measurement Resolution	0.1 °C	1 %RH	0.1 °C	0.1 %RH
Responsiveness	Response Time ( 90% ): Approx. 7 min.		Response Time ( 90% ): Approx. 7 min.	Response Time ( 90% ): Approx. 20 sec.
CO2 Sensor ( Internal )	NDIR			
Measurement Channels	CO2 Concentration 1ch			
Units of Measurement	ppm			
Measurement Range	0 to 9,999 ppm			
Accuracy	±( 50 ppm + 5 % of reading ) [ at 5,000 ppm or less ] (*3)			
Measurement Resolution	Minimum of 1 ppm			
Responsiveness	Response Time (90%): Approx. 1 min.			
Logging Capacity	8,000 data sets ( One data set consists of readings for all channels in that type of unit. )			
Recording Interval	Select from 15 choices: 1, 2, 5, 10, 15, 20, 30 sec. or 1, 2, 5, 10, 15, 20, 30, 60 min.			
Recording Mode (*4)	Endless ( Overwrite oldest data when capacity is full ) or One Time ( Stop recording when capacity is full )			
LCD Display Items	Measurements, Battery Level, etc. - Measurements: CO2 concentration, Temperature or Humidity ( fixed or alternating display )			
Communication Interfaces	- Wireless Communication ( Short Range Radio Communication ) FCC Part15 Section 247 / IC RSS-210 ( Frequency Range: 902 to 928 MHz, RF Power: 7 mW ) ETSI EN 300 220 ( Frequency Range: 869.7 to 870 MHz, RF Power: 5 mW ) - USB Communication - Serial Communication ( RS-232C ) (*5)			
Wireless Transmission Range	Approx. 150 meters (500 ft) if direct and unobstructed			
External Alarm Terminal (*6)	Output Terminal: Open Drain Output ( Voltage when OFF: DC less than 30V / Current when ON: less than 0.1 A / Resistance when ON: about 15 Ω)			
Power	AC Adaptor ( AD-0638 or AD-0638-C ), AA Alkaline Battery ( LR6 ) x 4			
Battery Life (*7)	Approx. 2 days ( batteries only without AC adaptor )			
Dimensions	H 96 mm x W 66 mm x D 46 mm ( excluding protrusions and sensor ) Antenna Length: 60 mm			
Weight	Approx. 220 g ( including battery, excluding sensor )			
Operating Environment	Temperature: 0 to 45 °C Humidity: 90 %RH or less ( no condensation )			
Accessories	Temperature / Humidity Sensor ( THA-3001 )		Temperature / Humidity Sensor ( HHA-3151 )	
	AA Alkaline Battery (LR6) x 4, AC Adaptor ( AD-0638 or AD-0638-C ), USB Communication Cable ( US-15C ), User's Manual Set ( Warranty Included )			
Compatible Base Units	RTR-500, RTR-500NW/500AW, RTR-500DC			

\*1: Make sure to use the data logger within the operating environment as listed in the specifications.

\*2: When used in environments where temperature and humidity are over the values of 50% 75%, 60% 50%, 70% 35%, and 80% 25%, sensor hysteresis may fluctuate by values greater than ±1.5%RH. Under certain circumstances, it may take some time to return to normal measurement capability.

\*3: Stated value is the measurement accuracy of the CO2 sensor when Auto Calibration is operating properly. A change in atmospheric pressure directly influences the reading of CO2, which can cause measurement errors; a decrease in pressure by 10hPa results in a relative decrease in CO2 by 1.6%. In such a case, we recommend carrying out the "Atmospheric Pressure Correction" function found in the software supplied with the Base Unit.

\*4: Only "Endless" is available when using RTR-500W for Windows or RTR-500GSM for Windows.

\*5: For communication with the Data Collector RTR-500DC (Note: Optional serial communication cable TR-6C10 is required.)

\*6: In order to use the external alarm terminal, please prepare a compatible connector: JST PAP-04V-S.

\*7: Battery life varies depending upon the ambient temperature in which it is used, the recording interval, the frequency of communication, and the battery performance. All estimates are based on operations carried out with a new battery and are in no way a guarantee of actual battery life.

The specifications listed above are subject to change without notice.