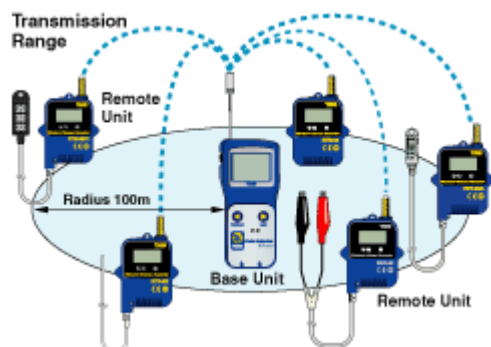


## Wireless Data Communication Function

Our RTR-51,52,52Pt,53 and RVR-52 Data Logger units utilize the RTR-57U to collect recorded temperature data from the units via our exclusive short-wave wireless technology. The RTR-57U also allows you to wirelessly control recording settings and start recording, as well as other functions of the Data Loggers. Moreover, the Data Loggers can wirelessly transmit measurements in the wide range of -30 to 80°C from distances of up to 100 meters if unobstructed and direct.



**Note:** If collecting data via wireless communication, it is necessary to register via computer the RTR-51,52, 52Pt,53 and RVR-52 as Remote Units and the RTR-57U as the Base Unit. The data recorded by the Remote Units can be downloaded via optical communication by placing it on the communication port of the RTR-57U.

## Register up to 3840 Units on 1 RTR-57U

RTR-57U is designed to manage any combination of RTR-51,52,52Pt,53 and RVR-52 units in groups.

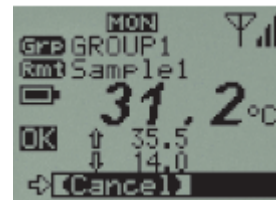
One RTR-57U unit can be set up to manage up to 60 groups, with each group containing up to 64 units. If being set up via computer each RTR-57U can be set to handle 15 groups with each group containing 250 units.

## Compact, Durable,

## Monitoring Function

Our RTR-5 Series allows you to wirelessly monitor current readings of one group of RTR-5 Series units, with the readings being sequentially displayed on the handheld RTR-57U Unit.

Monitoring intervals can be set on the RTR-57U for 15 and 30 seconds as well as from 1 minute to 60 minutes for up to 64 units in one group. The high-speed communication allows you to collect 64 units worth of data in just 20 seconds. Moreover, the downloaded data is sequentially displayed on the handheld unit for 2 seconds. At the same time, if a set upper or lower limit has been exceeded a warning will be displayed and an alarm sounded.



**Note:** If monitoring is carried out on a regular basis the battery life of the RTR-51,52,52Pt,53 units will be shortened. For example, if the monitoring interval is set at 1 minute the battery life will be about 4 months.

## About 6 Months of Continuous Use with Lithium Battery / About 2.5 years with our Large Capacity Battery Pack

Using our specially designed low energy consumption circuit this unit can run on one lithium battery for up to six months of continued use. In addition, by using our specially designed optional large

## Water Resistant

The lightweight yet durable water resistant construction allows you to use this unit under the harshest of conditions. It can be reliably used in high condensation areas, refrigerated and frozen environments as well as underground.

**Note:** The waterproofing is sufficient for most situations, but is not for continued immersion.

capacity battery pack, the unit can used continuously for up to two and a half years. No need to worry about where you place it, as the battery will allow you to measure and record over long periods of time whether the unit is in transit or in a distant place.

**Note:** Battery life will depend on the recording environment, recording interval, communication frequency, and ambient temperature. The above battery life test was carried out using brand new batteries and in no way do we guarantee a battery's life. Removing the battery and not replacing it will result in a loss of all recorded data.

## Wireless Communication Possible in Range of -30 to 80°C

Because wireless communication for all RTR-51,52,52Pt,53 and RVR-52 units can be made within the wide range of -30 to 80°C, it is possible to use the units to manage temperature in below freezing conditions such as frozen transportation and storage.

## Remote Control Command

Remote Control Command is possible to set up your computer to enable the control of downloading via wireless communication between an RTR-57U unit connected to your computer and any RTR-51,52,52Pt,53 and RVR-52 unit(s) within communication range. To use this function you will need to input a special command protocol into your computer's software system. For more details about the set up and use of this function please contact the T&D sales office.

## Recording Capacity: 16,000 Readings

One RTR-51 or RTR-52 unit can record up to 16,000 readings. If set at a one hour recording interval that gives you 666 days or almost two years of recording.

## Wide Selection of Recording Intervals / Two Recording Methods

The RTR-51,52,52Pt,53 and RVR-52 give you 15 recording intervals (1 second to 1 hour) to choose from. Each unit allows you two choices of recording method:

One time method: when 16,000 readings have been reached, recording stops.  
Endless method: when 16,000 readings have been reached, it automatically overwrites oldest data.