Compact Waterproof Data Logger

TR-5*i* Series

Infrared Interface
Easy-to-Read Display
Durable Waterproof Loggers

T AND D

C E

Data Collection Devices

Collect and Download Data

Via Infrared or Optical Communication

On-site Data Collection
On-the-spot Data Checking

Data collection via IR communication makes it possible to collect recorded data without ever having to move or touch the logger. The collected data can then be checked there on the spot...no need for a PC.
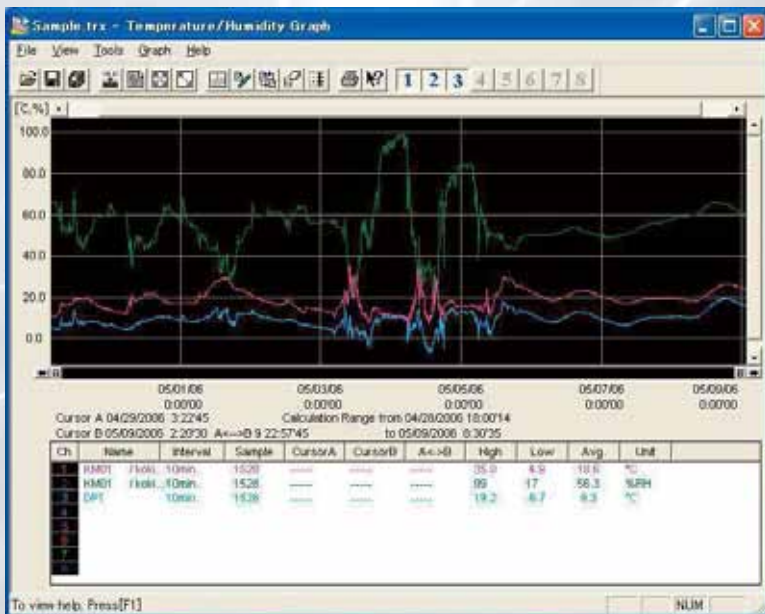
Simple!
Quick!

Recorded Data can be downloaded directly to a PC using a Communication Port: just connect and place logger on port. One unit of full data can be downloaded in just 25 seconds!

Software

Manage Settings and Analyze Data

This free of charge software is bundled with the Data Collection Device. Our user-friendly software makes all types of settings a snap: from setting up recording conditions and warning monitoring to carrying out adjustments and other functions. An easy to use graph program is also included for viewing, analyzing, and printing data.
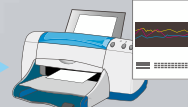
Graph View
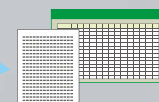
Table View

Print

Save

CSV Format

Portable Data Collector TR-57DCi

- Collect data on site; No PC necessary.
- Data can be downloaded via Infrared or Optical Communication.
- One logger at full storage capacity can be downloaded via IR communication in 55 seconds or via optical communication in about 24 seconds.
- The collected data can be immediately viewed on site and checked for warning occurrences.
- The Data Collector can store recorded data from up to 16 loggers at full capacity.

Communication Port TR-50U2

- Use for downloading data directly to a PC
- Download data from a logger at full storage capacity in about 25 seconds.
- The unit operates via USB bus power so no need for more wires and plugs.
- Possible to specify a time period of data for downloading so you get only the data you want.

Data Collection Device Specifications

Device Name	TR-57DCi	TR-50U2
Compatible Devices	TR-5i Series: TR-51i / 52i / 55i-TC / 55i-Pt / 55i-V / 55i-mA / 55i-P TR-5S Series: TR-51S / 52S TR-5 Series: TR-51A / 52 RTR-5 Series: RTR-51 / 51A / 52 / 52A / 52Pt / 53 / 53A, RVR-52A (Including L Type) TR-7Ui Series: TR-71Ui / 72Ui /74Ui / 76Ui / 77Ui TR-7U Series: TR-71U / 72U / 73U TR-7S Series: TR-71S / 72S VR-71	TR-5i Series: TR-51i / 52i / 55i-TC / 55i-Pt / 55i-V / 55i-mA / 55i-P TR-5S Series: TR-51S / 52S TR-5 Series: TR-51A / 52
Storage Capacity	Up to 256,000 readijngs When downloading from units filled to logging capacity: - 16 units of TR-51i/52i - 15 units of TR-55i - 16 units of TR-71Ui/72Ui/77Ui - 10 units of TR-73U/76Ui - 7 units of TR-74Ui When downloading from units of any type containing small amounts of data, it can store and manage up to 250 download sessions.	-
Communication Interfaces	<Between TR-57DCi - Data Logger(s)> Optical Communication (proprietary protocol) TR-5i/5S/5 Series, RTR-5 Series Infrared Communication (IrPHY 1.2 low power) TR-5i Series, TR-7Ui Series (*1) Serial Communication (RS-232C) TR-7Ui/7U/7S Series, VR-71(*2) <Between TR-57DCi - PC> USB Communication Serial Communication (RS-232C) (*3)	<Between TR-50U2 - Data Logger(s)> Optical Communication (proprietary protocol) <Between TR-50U2 - PC> USB Communication
Power	AAA Alkaline Battery (LR03) x 2 AAA Ni-MH batteries, AC adaptor (AD-0638), or USB bus power may also be used.	USB bus power
Battery Life	About 100 days at 1 hour of daily use (*4)	-
Dimensions	H 125 mm x W 58 mm x D 25.8 mm (excluding protrusions)	H 80 mm x W 56 mm x D 16.5 mm (excluding protrusions)
Weight	Approx. 110 g (including batteries)	Approx. 30 g
Operating Environment	Temperature: 0 to 50 °C Humidity: 90 %RH or less (no condensation)	Temperature: −10 to 60 °C Humidity: 90 %RH or less (no condensation)
Accessories	AAA Alkaline Battery (LR03) x 2, USB Communication Cable (US-15C), Serial Commu-nication Cable (TR-6C10), Software (CD-ROM), User's Manual Set (Warranty Included) x 1	USB Communication Cable (US-15C), Software (CD-ROM), User's Manual Set (War-ranty Included) x 1
Software	T&D Recorder for Windows (TR-5, 7xU)	
Compatible OS (*5)(*6)	Microsoft Windows 8 32 / 64 bit English Microsoft Windows 7 32 / 64 bit English Microsoft Windows Vista 32 bit (SP1 or later) English Microsoft Windows XP 32 bit (SP3 or later) English	

*1: Infrared Communication can be used only to download recorded data, and not to make recording settings.
*2: The following cables are necessary for serial communication with data loggers : TR-6C10 (included) for TR-7Ui/7U series, and TR-6C10 (optional) for TR-7S series and VR-71.
*3: The optional serial communication cable TR-07C is necessary for serial communication with PC.
*4: Battery life varies depending upon the ambient temperature in which it is used, 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.
*5: For installation, it is necessary to have Administrator (Computer Administrator) rights.
*6: If you are using Windows 8, please note that our software is designed to be used in "Desktop" mode only.
The specifications listed above are subject to change without notice.