

Instruction Manual



Thermo Recorder
 株式会社 T&D TR-51A TR-52

Thermo Recorder TR-50C Communication Set



Carefully read and fully understand these instructions before using this unit.

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DANGER

No not connect standard cables or other cables to telephone lines. This can cause fire or other trouble in personal computers.

CAUTION

T&D Corporation shall not be responsible for any damage resulting from the use of the results obtained by measurements with this product and a Thermo Recorder.

Communication is not possible with this unit in direct sun light.

Avoid strong light during communication.

Observe the "Environment conditions for use" described in the specifications of this unit. The products are not guaranteed for troubles caused by use out of the range of these conditions.

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Specifications

Communication Port for TR-50C

Communication method:	Optical communication method (communication between TR-51A or TR-52)
External dimensions:	H92 x W66 x D29 (excluding protrusions)
Weight:	Approximately 60 g (only for main TR-50C unit)
Environment conditions for use:	-10 to 40 (temperature) Upto 90% (humidity) No affect from acid, alkaline materials or organic solvents Avoid strong light during communication Avoid moisture

Specifications of Standard Software

(Thermo Recorder for Windows®)

Compatible software:	Windows® 3.1 95 , Windows NT® 3.51 4.0 (English version/ Japanese versions)
Number of display channels:	8 channels simultaneously displayed
Data display:	Graph (Specification of range, expansion/ contraction) Table (Maximum/minimum values, average values, recording intervals and number of record data) Data list (Maximum/minimum values, average values)
Data output:	Graph printing, list printing and text file output
Control function:	Programming start time, setting recording intervals, setting mode

Fcc Compliance Statement for American Users

This device complies with Part 15 of the FCC Rules. Operation is subject to following two conditions: (1) this device may not cause harmful interference. and (2) this device must accept any interference received, including interference that may cause undesired operation.

NOTE: This equipment has been tested and found to comply with the limits for a Class A Digital Device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications.

However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

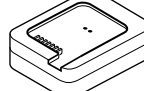
- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

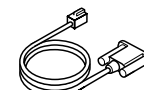
Warning

This equipment has been verified to comply with the limits for a Class A personal digital device, pursuant to Subpart B of Part 15 of FCC Rules. Only peripherals (computer input/output devices, terminals, printers, etc.) certified or verified to comply with the Class A or B limits may be attached to this equipment. Operation with non-certified or non-verified personal computer and/or peripherals is likely to result in interference to radio and TV reception. The connection of a non-shielded equipment interface cable to this equipment will invalidate the FCC Certification of this device and may cause interference levels which exceed the limits established by the FCC for this equipment.

You are cautioned that changes or modifications not expressly approved by party responsible for compliance could void your authority to operate the equipment.

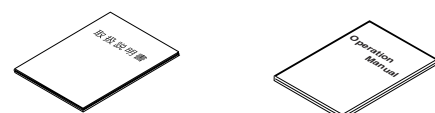
Components

Communication Port (TR-50C) Set 

Communication Cable Set (RS-232C: D-SUB with 9 pins) 

Standard Software floppy disk (Thermo Recorder for Windows®) 

Instruction manual (and guarantee) set
 Communication port TR-50C English and Japanese versions 1 booklet each



Thermo Recorder for Windows® English and Japanese versions 1 booklet each



Operation Method

This unit enables setting the Thermo Recorder TR-51A and TR-52 or downloading the recorded data.

1 communication port can handle as many TR-51A and TR-52 units as desired.

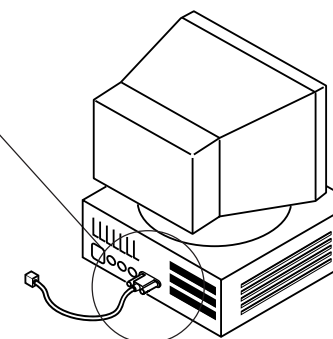
Connection of Communication Cable

Connect the standard communication cable to the serial port of a personal computer.

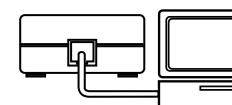
Sample serial port configurations



Connect the cable to a port with the configurations shown above.

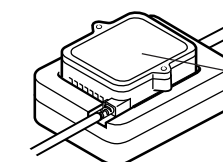


Connect the communication cable to the communication port.



For Communication

Mount a Thermo Recorder (TR-51A/52) in the communication port with the back side up.



CAUTION
 Avoid moisture when mounting.

For the communication method, see "How to use software" or the "Help" menu in the software.