User's Manual

Handling of the CompactFlash and Adapter

Foreword

This user's manual explains proper handling of the CompactFlash card and adapter, and lists their specifications. To ensure correct use, please read this manual thoroughly before beginning operation.

Notes

- The contents of this manual are subject to change without prior notice as a result of continuing improvements to the instrument's performance and functions.
- Every effort has been made in the preparation of this manual to ensure the accuracy of its contents. However, should you have any questions or find any errors, please contact your nearest YOKOGAWA representative, dealer, or sales office.
- Copying or reproducing all or any part of the contents of this manual without the permission of Yokogawa Electric Corporation is strictly prohibited.
- Yokogawa does not warrant, for any reason, damaged or lost data recorded on the CompactFlash card. Be sure to back up all data as needed.

Trademarks

- CompactFlash is a registered trademark of Sundisk Corporation in the USA, and licensed from the CFA (Compact Flash Association).
- For purposes of this manual, the ™ and ® symbols do not accompany their respective trademark names or registered trademark names
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Models

If any of the contents are incorrect, missing, or appear to be abnormal, please contact your Yokogawa dealer or representative. Also check that all items match the ones you ordered.

Model	Name	Capacity
772090	CompactFlash Adapter	—
772091	CompactFlash Card	128MB
772092	CompactFlash Card	256MB
772093	CompactFlash Card	512MB
772094	CompactFlash Card	1GB

CAUTION

Regarding the CompactFlash Card
- Do not store or use the CompactFlash card in areas where static electricity, electrical discharge, or electrical noise occurs. Electric shock or fire can result.
- Do not disassmeble or rework the CompactFlash card. Fire can result.

Regarding the CompactFlash Card and Adapter
- Do not apply physical shock to the CompactFlash card or adapter. Doing so can lead to malfunction.
- Do not cut the power, apply vibration or shock to the card, or pull the card out while data is being read from or written to the card. Doing so can damage or erase the data.
- Do not use the CompactFlash card or adapter for any product other than the intended Yokogawa instrument. Correct functioning cannot be guaranteed.
- When inserting the CompactFlash card or adapter, make sure the card is oriented correctly (face up or down), and then insert it firmly into the instrument. If not inserted correctly, the card will not be recognized.
- Also, never touch the CompactFlash card with wet hands. Electric shock or damage can result.
- Do not use the CompactFlash card if it is dirty or dusty. Electric shock or damage can result.

Features of the CompactFlash Card

CompactFlash Specification Compliance
- Runs on a single 3.3 V/5 V power supply
- 50-pin, 2-piece connector, Type I (3.3 mm thick)
- 256 byte attribute memory

Interface
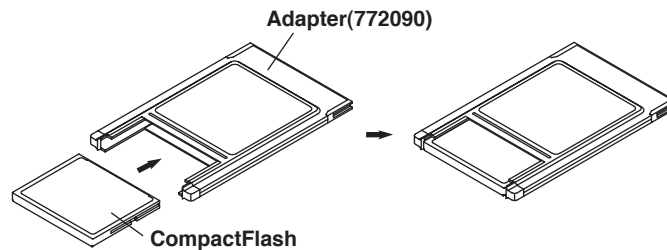- PC card memory mode
- PC card I/O mode
- True IDE mode

Performance
- Data transfer rate (PIO mode 4, Multi Word DMA mode 2): max 16.6 mB/sec (host to card)
- Sustained write: max 6.0 MB/sec
- Sustained read: max 6.5 MB/sec
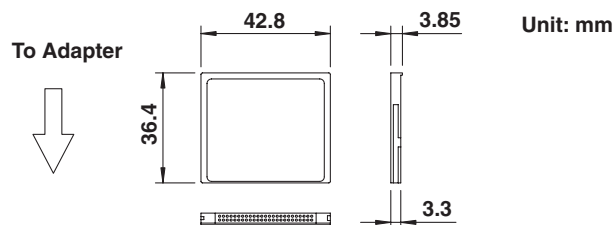
No. of write/delete operations: 100000

Adapter Features

By inserting the CompactFlash card as in the figure below, the CompactFlash card can be used as a Type II PC card. Make sure the card is oriented properly when inserting it into the adapter.

Adapter(772090)

CompactFlash

CompactFlash Specifications

Dimensions of card:

To Adapter

42.8　**3.85**　**Unit: mm**

36.4

3.3

Operating voltage:　　　3.3 V ± 5%

　　　　　　　　　　　5.0 V ± 0.5 V

Current consumption:
- 5 V during operation
  　Active mode　Writing:　28 mA (Typ.)
  　　　　　　　　Reading:　23 mA (Typ.)
- 3.3 V during operation
  　Active mode　Writing:　25 mA (Typ.)
  　　　　　　　　Reading:　21 mA (Typ.)

Operating Environment
- Operating temperature:　–40ºC to 85ºC
- Storage temperature:　　–40ºC to 90ºC
- Storage humidity:　　　　95% or less (no condensation)