Data Loggers

Data loggers are designed to measure static strain, a phenomenon where the subject strain does not change at all or slowly changes. As seen in load tests of large-scale structures, static strain is often measured in several hundred channels and under dozens of load conditions. Data loggers are available in 2 types: stand-alone and PC-controlled. Both are oriented to automatic multi-channel measurement as intelligent, expandable systems.

Analog strain gages

Strain gages

Strain-gage transducers

Civil engineering transducers

Potentiometer sensors

DC voltage-output sensors

Thermocouples

Platinum-resistance thermometer sensors

Dedicated scanning units

UCAM-60B

UCAM-65B

UCAM-60B

UCAM-65B

Control software

UCS-60B

PCRS-232C

LAN

Hub

Note: For LAN connection, put a LAN hub between the UCAM-60B/65B and PC and use a straight cable.

Simultaneous measurement of various static variables including strain/stress, load, pressure, acceleration, displacement, torque, voltage and temperature

Visual presentation of the progressive status of measurement and function that enables smooth progression of measurement while accepting the engineer’s judgment.

Unattended measurement

More compact and lightweight design

Capability to measure not only static phenomena but also events changing at a frequency of several Hz

Efficient measurement and data collection through Internet or Ethernet LAN

External scanners

USB-70B

USB-65A

Scanner interfaces

USI-67A

Data Loggers

Universal Stand-alone Type UCAM-60B

Online Type UCAM-65B

Data Loggers

- Strain gages
- Strain-gage transducers
- Civil engineering transducers with a thermal sensor
- Potentiometer sensors
- DC voltage-output sensors
- Thermocouples
- Platinum-resistance thermometer sensors

Dedicated scanning units

US-61B/62B

(For general strain measurement)

US-63B

(For civil engineering measurement)

UCAM-60B

UCAM-65B

Control software

UCS-60B

PCRS-232C

LAN

RS-232C

Hub

Note: For LAN connection, put a LAN hub between the UCAM-60B/65B and PC and use a straight cable.
**Data Logger**  Online Type (Fast) UCAM-550A

- Strain gages
- Strain-gage transducers
- Potentiometer sensors
- DC voltage-output sensors
- Thermocouples

**Network Terminal Boxes**  NTB Series

- Strain gages
- Strain-gage transducers
- Civil engineering transducers
- DC voltage-output sensors
- Thermocouples

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**Network Terminal Boxes**  NTB Series

- Strain gages
- Strain-gage transducers
- Civil engineering transducers
- DC voltage-output sensors
- Thermocouples
Handy Data Logger  SME-30A/31A

- Strain gages
- Strain-gage transducers
- Civil engineering transducers with a thermal sensor
- Thermocouples

SD card

PC