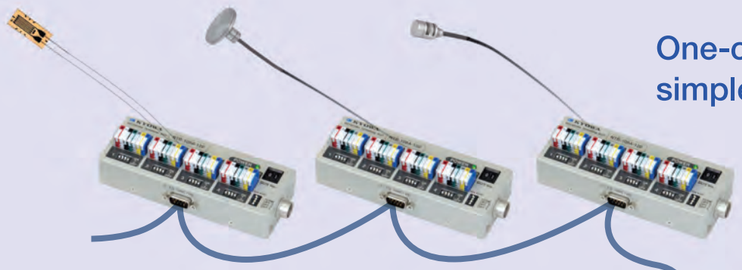
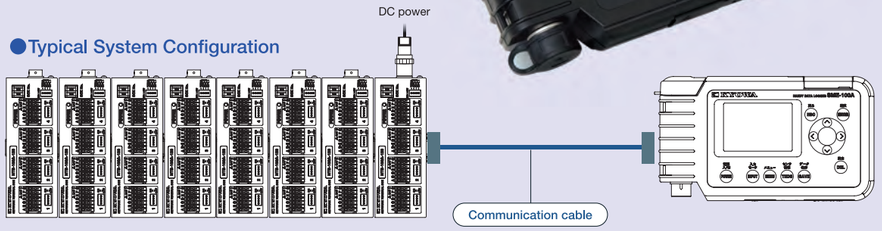
Handy Data Logger with Networking Capability SME-100A/101A



One-cable network is simple and easy!

If SME-100A/101A connected NTB-100A Series a digital measurement of 33 channels or less becomes achieved.

●Typical System Configuration



IQNet CERTIFIED MANAGEMENT SYSTEM
JQA CERTIFIED MANAGEMENT SYSTEM ISO 9001 ISO 14001
JQA-0821
JQA-EM4824

Specifications are subject to change without notice for improvement.

Safety precautions Be sure to observe the safety precautions given in the instruction manual, in order to ensure correct and safe operation.

Manufacturer's Representative

Reliability through integration

KYOWA

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KYOWA

Handy Data Logger

SME-30A/31A

More Simple and Flexible Measurement

NEW!

NEW STANDARD

www.kyowa-ei.com

Easy to Fit in Hands and Easy to Use

New Standard Changes Field Measurement

Full size

Simplified operation is a unique feature of this handy data logger. You can start measurement just after turning on the power. The strap is useful for field inspection and confirmation of sensor installation. The SD card (option) simplifies data transmission to a PC. Using the input cable attached to this instrument, a strain gage can easily be connected.

Shoulder belt for field work.

Input cable

Data is saved on SD card.

Ease-of-use Points

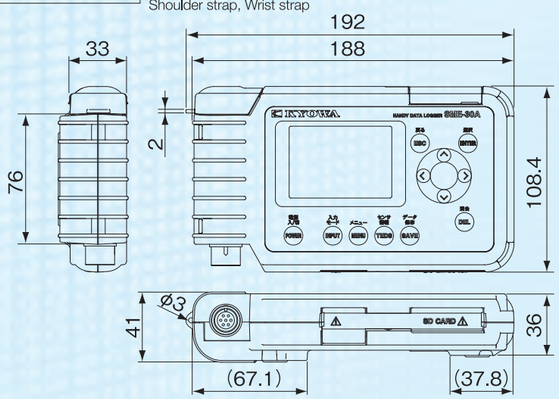
1. **Compact and lightweight, easy to carry portable instrument**
2. **Built-in bridge circuit enables direct connection of a strain gage**
3. **Wide measuring range: ± 300,000 μm/m**
4. **Data saved in SD card can be read in and controlled on PC**
5. **Driven by AA size batteries sold everywhere**
6. **TEDS enables you to write simple data in addition to read full measurements**

Handy Data Logger SME-30A/31A

Number of measuring channels:	1
Sampling period:	Approx. 0.5 sec: 0 to ± 30000 μm/m Approx. 1 sec : ± 30000 μm/m or more : Civil engineering transducer with temperature measuring function
Measuring function:	RELATIVE measurement (relative value measurement): Each value is obtained by deducting the ZERO value. ＊ZERO value is equivalent to the initial unbalance value. Capable of obtaining the ZERO value at arbitrary timing.
Arithmetic operation:	Calculation using coefficients
Applicable sensor:	Strain gages, strain gage transducers, civil engineering transducers with temperature measuring function

Gage method	Applicable gage resistance
Quarter bridge	120, 240, 350 ohm
Half or full bridge	120 to 1000 ohm

Bridge excitation:	Constant-voltage bridge excitation: Approx. 2 VDC Constant-current bridge excitation: Approx. 5.6 mA (bridge resistance 350 Ω)
Measuring range:	Strain measurement 0 to ± 300000 μm/m (constant-voltage bridge excitation) 0 to ± 20000 μm/m (constant-current bridge excitation) Temperature measurement with civil engineering transducer with temperature measuring function -30.0 to 70.0°C
Resolution:	Strain measurement 0 to ± 30000 μm/m : 1 μm/m ± 30000 to ± 300000 μm/m : 10 μm/m Temperature measurement with civil engineering transducer with temperature measuring function 0.1°C
Accuracy: (when connected with one-touch NDIS connector in 4-gage)	Strain measurement 0 to ± 30000 μm/m : ± (0.05% rdg. + 2) μm/m ± 30000 to ± 300000 μm/m : ± (0.1% rdg. + 20) μm/m Temperature measurement with civil engineering transducer with temperature measuring function ± 0.5°C
Check function:	Insulation resistance measurement : 2 to 100 Mohm Resistance measurement : 0 to 20 Kohm
Interval measurement:	I minute to 99 hours 59 minutes in 1-minute steps Starting date/time : Year/month/day, hour : minute
Storage:	SD card (option)
Applicable card:	256MB, 512MB, 1GB, 2GB (FAT16) (SDHC-incompatible)
Display:	Monochrome LCD, 128 × 64 dots
TEDS:	Reading function from the TEDS sensor CH name writing function (For the manufacture ID : KYOWA only, within 10 characters)
Operating temperature & humidity range:	-10 to 50°C, 20 to 85% RH (no condensation)
Power supply:	Size AA alkaline dry cell (2) Consecutive operation time: Approx. 10 hours (with alkaline batteries) ＊Nickel metal hydride batteries can also be used. ＊An AC adapter (optional, DR-523E) is provided for SME-31A.
Auto Power Off:	Power is automatically turned off if no key operation is detected for 5 minutes. In interval measurement mode with an interval of 3 minutes or longer, power is automatically turned off during standby period and turned on again 1 minute before the next measurement isstarted (ON/OFF of Auto Power Off can be specified).
Dimensions:	108.4 × 188 × 41mm (excluding protrusions)
Weight:	Approx. 450g (excluding batteries)
Standard accessories	Instruction Manual (CD-R), Input cable, Size AA alkaline dry cell (2), Shoulder strap, Wrist strap



NEW STANDARD