

T-ZACCS BOX Measurement Box AU-50

- Master unit and channel units are used in combination Capable of measuring strain, DC voltage and thermocouples Up to 50 measurement points in one set
- The number of measuring points can be selected according to the number of channel units connected Built-in power booster for multipoint long-distance extension
- Supports the complete correction method for strain
- T-ZACCS 3 Can be used with the TS-360 portable data logger and the TDS-540 data logger



Switching Box ISW-50G

- Electrically isolated from data logger
- Measurement of strain, DC voltage, thermocouple and PtRTD
- Sampling speed is 0.04s/channel 2 seconds/1000
- channels at the fastest achieved by built-in ADC Surge absorber for lightning protection equipped for each channel as standard
- Connected with data logger by optical fiber or RS-422
- Complete compensation method of strain Applicable data logger:TS-963/TS-960/TDS-630/TDS-540



High speed Switching Box IHW-50G

- · Electrically isolated from data logger
- Measurement of strain, DC voltage, thermocouple and PtRTD
- Sampling speed is 0.04s/channel 0.4 seconds/1000 channels at the fastest by parallel sampling of built-in ADC
- Surge absorber for lightning protection equipped for each channel as standard
- Connected to data logger by optical fiber or RS-422 Complete compensation method of strain
- Applicable data logger:TS-963/TS-960/TDS-630/



CSW-5B-05

THE PARTY

Switching Box FSW-10/FSW-10L

- 10-channel unit dedicated to combined use with
- Five units (50 channels) can be connected at the maximum
- Measurement of strain, DC voltage. thermocouple and Pt-RTD
- 1-gauge 4-wire strain measurement possible
- FSW-10L is smaller in size than FSW-10, as it does not have NDIS receptacle and modular
- jack CE marked



Portable Data Logger TDS-150

- Connectable five channel units (FSW-10/FSW-10L) at the maximum for 50 channels
- Long-term automatic measurement using sleep interval timer
- Low power consumption
 Measurement of strain, DC voltage, thermocouple and Pt-RTD
 Reading of TEDS sensor possible
- Complete compensation method of strain USB and RS-232C interface
- Connection of network module possible (factory installed option)
- LAN board (factory installed option)
- CE marked



CE

CSW-5B

Switching Box CSW-5B/CSW-5B-05

- Measurement of strain, DC voltage, thermocouple and Pt-RTD
- Sensor mode is set from TC-32K
- Connection to terminal is possible either by screwing
- Number of measuring point is 5



Handheld Data Logger TC-32K

- Measurement of strain, DC voltage, thermocouple and Pt-RTD
- Insulation and resistance measurement function
- provided to check sensors USB and RS-232C interface
- 1-gauge 4-wire strain measurement possible
- Complete compensation method of strain
 Reading of TEDS sensor possible
 Easy connection of cable wires without connector
- Automatic measurement using interval timer Multi-point measurement when used with CSW-5B (CSW-5A also acceptable)



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Pulse count

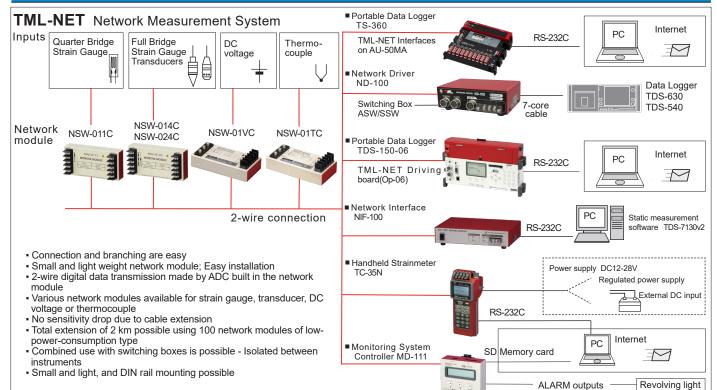
Rain gauge

Switching Box SSW-50D

- 1-gauge 4-wire strain measurement possible
- Measurement of strain, DC voltage and thermocouple
 Combined use possible with ASW-50C and SSW

- Complete compensation method of strain
 Cascaded to data logger using one Ф9mm cable
 Applicable data logger: TDS-630/TDS-540/TDS-530/TDS-602/TDS-303

TML-NET NETWORK MEASUREMENT SYSTEM



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Network Driver ND-100

- Interface for driving network modules from data logger TDS-630 or TDS-540
- Number of measuring point is 100 for one unit; By the use of 10 units, measurement of 1000
- Parallel use available with conventional measuring system using SSW/ASW switching
- The total distance between data logger and ND-100 is possible up to 2 km



Network Interface NIF-100

- Interface for driving network modules directly from computer through RS-232C interface
- Number of measuring point is 100 Control possible by Static Measurement Software Visual LOG TDS-7130v2



Monitoring System Controller MD-111

- Configuration of disaster prevention system using alarm output via contact output
- Automatic measurement using sleep interval timer

 Counting and recording of rain gauge pulse
- using contact input

 Small, light and DIN rail mounting possible
- Measured data are stored in SD card



Network Handheld Strainmeter TC-35N

- Small, light and waterproof
- AA size battery driven
- Suitable for checking on site and/or configuration of small scale measurement system
- Control from computer through equipped RS-232C interface
- Measurement of 5 points or less when internal battery or AC adaptor is used; 100 points or less when external DC input is used
- Flash memory card usableSleep interval timer provided



Strain Quarter Bridge Module NSW-011C

- For quarter bridge 3-wire method
 120Ω or 350Ω (specified when ordering)
- Low power consumption During standby 1mA max
- During standby TimA max

 During measurement 36mA max

 easuring range ±30000×10⁶strain Measuring range



Strain Full Bridge Module NSW-014C

- For strain full bridge method
- Low power consumption During standby 1mA max
- During measurement 36mA max
- Applicable resistance 120~1000Ω
- Measuring range ±30000×10⁴strain



Strain Full Bridge 2-channel Module NSW-024C

- For strain full bridge method
 Number of measuring point is 2
 Connection of 100 modules for measurement of 200 points is possible at the maximum Low power consumption

- Low power consumption

 During standby 1mA max

 During measurement 36mA max

 Applicable resistance 120~1000Ω

 **Toouring range ±30000×10*strain



Voltage Module NSW-01VC Thermocouple Module NSW-01TC

Voltage Module NSW-01VC

- For measurement of DC voltage
- Measuring range V1 ±2.5V V2 ±25V
- Thermocouple Module NSW-01TC
- Applicable thermocouple T [JIS C1602-2015]
- Measuring range

-100~+200°C



Network Module NSW-01CC

A module that counts precipitation, flow rate, quantity, number of vehicles that pass by, frequency of machine operation, and other information with no-voltage contact or open collector input.

A built-in backup battery allows to continue counting even when the power supply is not



Lightning Protection Unit for TML-NET NNZ-2A

Prevents the measuring system from

- malfunctioning caused by induced lightning
 Surge resistance 100A (8/20 µs impulse)
 Number of usable units

NNZ-2A 10 Low power consumption module 100

Cable to be used Exclusive 2-wire shielded cable

Total extension distance 2 km or less with DC24V power source

1 km or less with DC18V power source