AL4000 SERIES 100mm chart PEN TYPE HYBRID MEMORY RECORDER



AL4000 series is a hybrid recorder which employs bright and clear, easy to view LCD display. Measuring value display is prepared as 1 point display, multi-points simultaneous display and digital display + bar graph display.

Various measuring and recording settings can be easily done by front key switch and confirmed by LCD digital display.



FEATURES

•Corresponds to SD card

Equipped with SD card (sold separately) and it can record data, read and write setting value.

•Full multi range

Equipped with DC voltage 10 kinds, T/C 36 kinds, RTD 12 kinds, in total 58 kinds. Easily set the range per channels.

Easy data management by communication interface

Provided with USB port and connect with PC directly. RS232C, RS422A, RS485 and Ethernet communication interface is optionally prepared. When Ethernet is selected, settings from the web and E-mail alarm notification are added.

Package Software attached

By Data acquisition software, the use of application expands from recording/management to information processing.

*Optional communication interface required.

Data analysis software can replay display, wave form process, editing and trend display.

Parameter setting software can manage the setting information on PC.

Standard alarm display/ Printing function

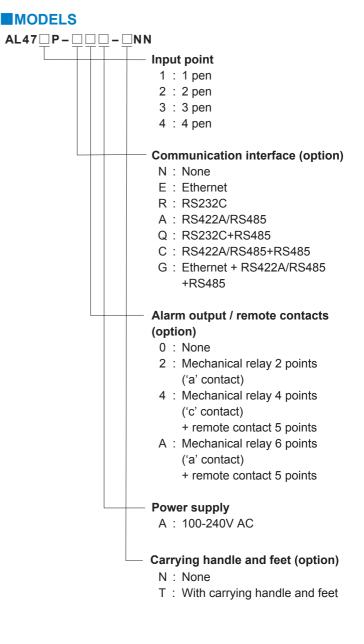
Set 4 types of alarm per each input points. When alarm occurs, status display "ALM" flashes and measuring value flashes at LCD operation screen.

• Chart end detection function available

Can set the alarm operation when chart end is detected.

•Various programming function

Process the measured data by programming setting and displayed/recorded data of each channels are shown as programmed result data.



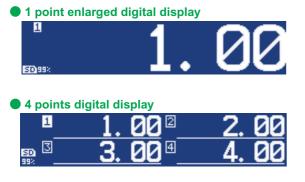
AL4000 SERIES

NAME



1. Graphic LCD display

Display measured data by digital display and analog indication by bar graph display.



2. Front key switch

Setting contents can be easily registered by front key switch.

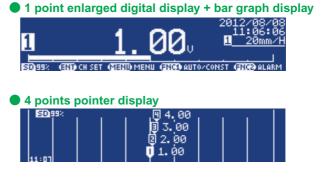


3. SD card slot

Save measured data to SD card by designated interval (Fastest 0.1sec). Also, register measuring / recording condition such as range, scale, chart speed and when required, setup the unit by registered conditions.

5. White LED chart illumination

Set ON/OFF/AUTO (OFF after no operation for 3 minutes).



Press Menu key and menu screen (list of setting items) will be displayed on graphic LCD.



4. Engineering port at the front

Connect with PC by mini-USB cable*. By attached setting software, you can set or change the parameter by PC. *Purchase commercialized product separately.

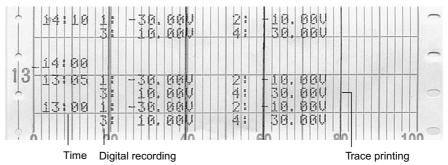




RECORDING EXAMPLE

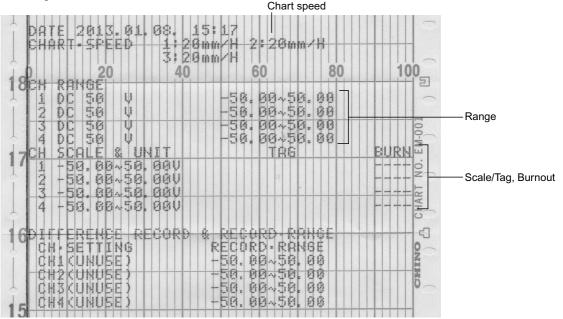
Periodic data printing

Record the data with time, channel no., data, unit over trace printing by arbitrary interval.



List printing

Print setting data such as range, scale etc. for each channel.



Data print

When the latest data is required, trace printing will stop and recorded.

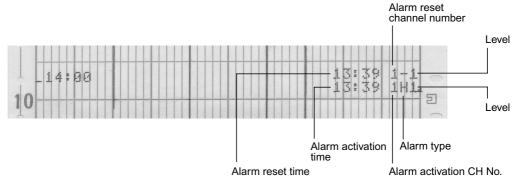


Time Digital recording

Trace printing

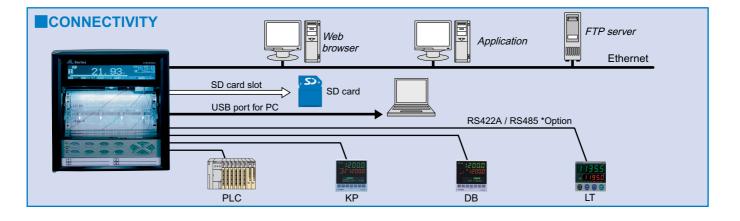
Alarm activation and reset printing

When alarm activates/reset, prints time, channel no., alarm type and alarm no.



INPUT SPECIFICATIONS

| | CIFICATIONS | | SPECIFICATIONS |
|-----------------------------------|---|-------------------------------------|--|
| Measuring points: Input types: | 1 to 4 points DC voltage ±13.8mV, ±27.6mV, ±69.0mV, ±200mV, ±500mV, ±1V ±5V, ±10V, ±20V, ±50V | Analog display: Digital display: | LCD bar graph 100mm Full dot monochrome LCD (Backlight AUTO / Always ON settable) Dots : 240 x 48 dots |
| | DC current Max 50mA by external shunt resistor (100Ω, 250Ω) (sold separately) | Display item: | Display area : 106 x 16mm All channels simultaneous display, year/month/day, hour/minute, alarm activate |
| | Thermocouple K, E, J, T, R, S, B, N, U, L, | Status display: | channel, chart speed display of measuring value REC, CARD, ALM |
| | W-WRe26, WRe5-WRe26, PtRh40-PtRh20, NiMo-Ni, | | PECIFICATIONS |
| | CR-AuFe, Platinel ${\rm I\hspace{-0.5mm}I}$, Au/Pt Resistance thermometer | Alarm display: | Status display "ALM" flash, measuring value flash at operation screen |
| | Pt100, old Pt100, JPt100, Pt50, Pt-Co | Alarm types: | Absolute alarm, differential alarm, rate-of- change alarm, FAIL, calendar timer, chart end. |
| Accuracy ratings: | Refer to the table of measuring range/accuracy ratings/display resolution | Alarm settings: Alarm output: | Individual settings, Max 4 levels/channel |
| Measuring interva | I:Approx. 100ms | Alarm output. | Mechanical relay 2,6 output 'a' contact Mechanical relay 4 output 'c' contact |
| Input resolution: | About 1/40,000 or better (converted to reference range) | | RDS |
| Input resistance: | [Thermocouple/DC voltage: ±5V or lower range)] 6MΩ or higher [DC voltage: ±10V or higher range)] | CE marking: | EN61326-1 EN61010-1 |
| Reference junctior | Approx.1M Ω a compensation accuracy: | | *Under EMC test condition, variation in indication value is ±20% or ±2mV at maximum, |
| , | At ambient temperature:23℃±10℃ K, E, J, T, N Platinel II ±0.5℃ or EMF 20μV, whichever | UL: CSA (C-UL): | whichever is larger. UL61010-1 CAN/CSA C22.2 No.61010-1 |
| | greater Other than above | RECORD | ING SPECIFICATIONS |
| | ±1.0℃ or EMF 40μV, whichever greater | Data recording ir | nterval: |
| Burnout: | Burnout detection function for thermocouple input and RTD input. Upper burnout, lower burnout or burnout disabled is selectable for | (SD card) Recording metho | 0.1, 0.2, 0.5,1, 2, 3, 5, 10, 15, 20, 30sec, 1, 2, 3, 5, 10, 15, 20, 30, 60min od:Trace printing disposable felt-tip pen Digital printingdot type plotter pen |
| | each input. | Record/Printed of | color: |
| Allowable signal so | Eurce resistance : [Thermocouple/DC voltage] Burnout disabled: 1kΩ or lower | | Trace printing1 pen/red, 2 pen/green, 3 pen/blue, 4 pen/brown Digital printingpurple |
| | Burnout enabled: 100Ω or lower [Resistance thermometer] | Recording interv Step response: | al: 100ms 90%/1 sec |
| | 10Ω or lower per wire (same resistance for 3 wires) | Recording dead | band: ±0.2% |
| Maximum input vo | Itage: [Thermocouple/DC voltage: ±5V or lower range]±10V or lower | Chart speed: | Set arbitrarily from 1 to 600mm/h or 1 to 200mm/min, 1mm interval. |
| | [DC voltage: ±10V or higher range] ±60V or lower | Chart fast feed: | 12.5mm/h can be set exceptionally. Operated by FEED key Feed 0.1mm by one quick press of the key or |
| • | [Resistance thermometer] ±6V or lower :[Resistance thermometer]1mA ±20% | | feed continuously (approx. 600mm/min) by holding down the key. |
| Maximum commo | n mode voltage: 30V AC/60V DC | Periodic data pri | nting: |
| Common mode re | | | Digital printing is added to trace printing at month / day, time, channel no., data, unit Interval (hour/time) arbitrary setting. |
| Normal mode reje | ction ratio: 50dB or more (50/60Hz) | Data printing: | When required, interrupt trace printing and digital print time and measuring value. |
| Terminal board: | Removable when wiring. | | · · · · |



4



| Alarm printing: | Alarm activated Time, channel no., alarm type and level | ٢ |
|-----------------------|---|--------|
| | Alarm reset Time, channel no., alarm level Memory capacity Max. 48 data | |
| List printing: | When required, interrupt trace printing and print | |
| | date, chart speed and setting information of | |
| Message printing: | each channel. Print when required | |
| message printing. | Up to 15 characters/message, register up to 20 | |
| | types. | Ν |
| ON/OFF of display | y and recording: Select ON / OFF of display trace recording to | |
| | chart, digital recording to chart, recording to SD | |
| o 1.4 . 4 . 4 | card per each channel. | |
| Subtract printing: | Record difference between reference channel and measuring value or between reference | |
| | value (set value) and measuring value. | |
| Zone printing: | 2 divisions | C |
| Compressed/Expa | anded printing: A part of printing area of each channel is | |
| | printing compressed or expanded. | li |
| Automatic range s | hift printing: | |
| | Recording range is shifted automatically to another set range when measuring value | |
| | exceeds the current range. Overlap function | |
| | available. | |
| Printing at power-o | on: Year/month/date and time are printed at power- | |
| | on. | |
| Printing at recording | | |
| | Year/month/date and time are printed at recording start (Rec.OFF→Rec.ON). | V |
| Calendar timer pri | | |
| | Printing is performed with calendar timer ON | |
| | and printing enabled. Trace printing is continued. | |
| | Printed items:Year/month/date/time, calendar | |
| | timer No. and a message, one message | |
| | consists of up to 15 characters (alphabets, numbers, katakana, symbols, etc.) and up to 5 | |
| | types of message is able to register. | |
| | *Message is shared by message printing | C |
| Setting change ma | | Ċ |
| | ▲ is printed on the right side of chart when setting change occurs. | |
| Operation recordir | ng: | C |
| | Remote contact ON/OFF status is recorded with straight line to specified area. | |
| | Specified area: Within the range of 0 to 90% | Ν |
| | Up to 10 types can be recorded. | V T |
| | *Only for the unit using remote contact and enabling operation recording. | I |
| Chart illumination: | | |
| | ON/OFF/AUTO can be set. | |
| Chart end detection | on: Notified on the operation screen. After detecting | |
| | the end of the chart, automaticlly stops | |
| | recording (the rest operated normally). | т |
| Pen up function: | Performed automatically at recording stop and chart end. | ' |
| | Manual pen up function is available. | |
| Time axis synchro | nization (POC): | |
| | ON/OFF can be set at using 2 pen, 3 pen and 4 | |
| | pen. | |

GENERAL SPECIFICATIONS

Rated power voltage: 100 to 240VAC, 50/60Hz

Power consumption:

MAX 40VA

| Normal operation condition: | | | | | |
|-----------------------------|---|--|--|--|--|
| | Ambient temperature range: | | | | |
| | 0 to 50°C (20 to 65%) | | | | |
| | Ambient humidity range: | | | | |
| | 20 to 80%RH (5 to 40°C) | | | | |
| | Power voltage:90 to 264V AC | | | | |
| | Power frequency:50/60Hz ±2% | | | | |
| | Attitude: forward tilting 0°, | | | | |
| | backward tilting 0 to 30°, left/right 0 to 10° | | | | |
| Memory protection | | | | | |
| memory protection | | | | | |
| | Set contents and pen type POC data | | | | |
| | maintained by nonvolatile RAM. | | | | |
| | Clock data maintained by lithium battery. | | | | |
| | (Data saved for more than 10 years with 8-hour | | | | |
| | or more operation per day.) | | | | |
| | (Alarm message displayed when battery level | | | | |
| | drops.) | | | | |
| Clock accuracy: | ±2 minutes in 30 days (under reference | | | | |
| chook accuracy. | operating condition, error caused by power | | | | |
| | ON/OFF excluded) | | | | |
| 1 | , | | | | |
| Insulation resistan | | | | | |
| | Primary terminal – Protective conductor terminal: | | | | |
| | $20M\Omega$ or more (500V DC) | | | | |
| | Secondary terminal – Protective conductor | | | | |
| | terminal: $20M\Omega$ or more (500V DC) | | | | |
| | Primary terminal – Secondary terminal: | | | | |
| | 20MΩ or more (500V DC) | | | | |
| | *Primary terminal: General power terminal, | | | | |
| | alarm output terminal | | | | |
| | Secondary terminal: All terminals other than | | | | |
| | | | | | |
| AAPIL - Law day days | primary terminals | | | | |
| vvitnstand voltage | Primary terminal – Protective conductor terminal: | | | | |
| | 1500V AC (one minute) basic insulation | | | | |
| | Secondary terminal – Protective conductor | | | | |
| | terminal: | | | | |
| | 500V AC (one minute) functional insulation | | | | |
| | Primary terminal – Secondary terminal: | | | | |
| | 2300V AC (one minute) reinforced insulation | | | | |
| | *Primary terminal: General power terminal, | | | | |
| | alarm output terminal. | | | | |
| | | | | | |
| | Secondary terminal: | | | | |
| A | All terminals other than primary terminal. | | | | |
| Case material: | Door Aluminum die-casting | | | | |
| | Front panel Glass | | | | |
| | Case Cold-rolled steel plate | | | | |
| Case color: | Door Black (equivalent of Munsell N3.0) | | | | |
| | Glass Clear and colorless | | | | |
| | Case Gray (equivalent of Munsell N7.0) | | | | |
| Mounting: | Panel mounting | | | | |
| Weight: | Approx. 3.2kg (with full options) | | | | |
| Terminal screw: | Power terminal, | | | | |
| Torrininal SoleW. | | | | | |
| | Protective conductor terminal M4.0 | | | | |
| | Measuring input terminal, alarm output terminal | | | | |
| | Remote contact terminal M3.5 | | | | |
| | Communication terminal M3.0 | | | | |
| | | | | | |

TRANSPORTATION & STORAGE SPECIFICATIONS

Transportation condition: [Ambient temperature] -10 to 60°C [Ambient humidity] 5 to 90%RH (noncondensing) [Vibration] 4.9m /s² (10 to 60Hz) [Impact] 392m /s2 *These conditions are set assuming that the unit is packed in a similar way to that at shipment. Storage condition: [Ambient temperature] -10 to 60°C [Ambient temperature] -10 to 00 C (10 to 30°C for long-term storage) [Ambient humidity] 5 to 90%RH (non-condensing) [Vibration] 0m /s² (10 to 60Hz) [Impact] 0m / s2 *These conditions are set assuming that the

unit is packed in a similar way to that at shipment. Readjustment may required.

AL4000 SERIES

| OPTIONS | | | IEASURING | RANGES/ACCURAC | Y RATING/E | DISPLAY RESC | LUTION |
|--|--|---------|-----------|-----------------|-----------------|------------------|-----------------------|
| Remote contact: | By external relay contact signal (digital contact: short or open), you can select | 1 | nput type | Measuring range | Reference range | Accuracy ratings | Display resolution |
| | chart speed or data printing | | | -13.8 to 13.8mV | ±13.8mV | | 10µV |
| | Input points: 5 points | | | -27.6 to 27.6mV | ±27.6mV | | 10µV |
| | Input signal: Digital contact signal or open | | mV | -69.0 to 69.0mV | ±69.0mV | | 10µV |
| | collector signal | R | | -200 to 200mV | ±200mV | | 100µV |
| | Contact capacity: | < | | -500 to 500mV | ±500mV | ±0.1% | 100µV |
| | 5V DC/2mA Function: 1. Record start/stop | olta | | -1 to 1V | ± 1V | ±1digit | 10mV |
| | 2. Chart speed 3-speed switch | voltage | | -5 to 5V | ± 5V | | 10mV |
| | 3. Data printing | | V | -10 to 10V | ± 10V | - | 10mV |
| | 4. List printing | | | -20 to 20V | ± 20V | | 10mV |
| | 5. Message printing | | | -50 to 50V | ± 50V | | 10mV |
| | 6. Operation record | | | -200 to 300°C | ±13.8mV | | 0.1°C |
| | (Record ON/OFF condition to the | | К | -200 to 600°C | ±27.6mV | | 0.1°C |
| | designate location by bar line) 7. Integration/F value reset | | | -200 to 1370°C | ±69.0mV | | 1 °C |
| | 8. Memory card (record start/stop) | | | -200 to 200°C | ±13.8mV | | 0.1°C |
| | 9. Alarm output rest | | E | -200 to 350°C | ±27.6mV | | 0.1°C |
| | 10. Time correction | | | -200 to 900°C | ±69.0mV | | 1 °C |
| Alarm output: | Mechanical relay ('a' contact) 2 points, 6 points, | | J | -200 to 250°C | ±13.8mV | | 0.1°C |
| | Max. load 100 to 240VAC 0.2A 30V DC 0.2A | | | -200 to 500°C | ±27.6mV | | 0.1ºC |
| | Min. load 5V DC 10mA | | | -200 to 1200°C | ±69.0mV | | 1 °C |
| | Mechanical relay ('c' contact) 4 points | | + | -200 to 250°C | ±13.8mV | | 0.1°C |
| Max. load 100 to 240VAC 0.2A | | | Т | -200 to 400°C | ±27.6mV | | 0.1°C |
| | 30V DC 0.2A | | | 0 to 1200°C | ±13.8mV | | 1 °C |
| | Min. load 5V DC 10mA | | R | 0 to 1760°C | ±27.6mV | ±0.1% | 1 °C |
| Communication interface: RS232C, RS422A, RS485, Ethernet | | | 0 | 0 to 1300°C | ±13.8mV | ±1digit | 1 °C |
| *Combination is depending on the model | | | S | 0 to 1760°C | ±27.6mV | 1 | 1 °C |
| | modol | _ | В | 0 to 1820°C | ±13.8mV | 1 | 1 °C |
| | DIEO | Thermo | | -200 to 400°C | ±13.8mV | 1 | 0.1°C |
| ACCESSO | IKIES | rn r | N | -200 to 750°C | ±27.6mV | 1 | 0.1°C |

| | 512MB | Model : RZ-SMC512 | | |
|---------|-------|-------------------|--|--|
| SD Card | 1GB | Model : RZ-SMC1G | | |
| | 2GB | Model : RZ-SMC2G | | |

| e | | -5 | 10 | 50 | ± 5V | | TOHIV |
|--------------|---------------|------|----|--------|--------------|----------------|-------|
| | V | -10 | to | 10V | ± 10V | | 10mV |
| | | -20 | to | 20V | ± 20V | | 10mV |
| | | -50 | to | 50V | ± 50V | | 10mV |
| | | -200 | to | 300°C | ±13.8mV | | 0.1°C |
| | K | -200 | to | 600°C | ±27.6mV | | 0.1°C |
| | | -200 | to | 1370°C | ±69.0mV | | 1 °C |
| | | -200 | to | 200°C | ±13.8mV | | 0.1°C |
| | E | -200 | to | 350°C | ±27.6mV | | 0.1°C |
| | | -200 | to | 900°C | ±69.0mV | | 1 °C |
| | | -200 | to | 250°C | ±13.8mV | | 0.1°C |
| | J | -200 | to | 500°C | ±27.6mV | | 0.1°C |
| | | -200 | to | 1200°C | ±69.0mV | | 1 °C |
| | т | -200 | to | 250°C | ±13.8mV | | 0.1°C |
| | I | -200 | to | 400°C | ±27.6mV | | 0.1°C |
| | R | 0 | to | 1200°C | ±13.8mV | 0.10/ | 1 °C |
| | n n | 0 | to | 1760°C | ±27.6mV | ±0.1% | 1 °C |
| | S | 0 | to | 1300°C | ±13.8mV | ±1digit | 1 °C |
| | Ũ | 0 | to | 1760°C | ±27.6mV | | 1 °C |
| - | В | 0 | to | 1820°C | ±13.8mV | | 1 °C |
| Thermocouple | | -200 | to | 400°C | ±13.8mV | | 0.1°C |
| mc | N | -200 | to | 750°C | ±27.6mV | | 0.1°C |
| õ | | -200 | to | 1300°C | ±69.0mV | | 1 °C |
| ldn | | -200 | to | 250°C | ±13.8mV | | 0.1°C |
| e | U | -200 | to | 500°C | ±27.6mV | | 0.1°C |
| | | -200 | to | 600°C | ±69.0mV | | 0.1°C |
| | L | -200 | to | 250°C | ±13.8mV | | 0.1°C |
| | | -200 | to | 500°C | ±27.6mV | | 0.1°C |
| | | -200 | to | 900°C | ±69.0mV | | 1 °C |
| | W-WRe26 | 0 | to | 2315°C | ±69.0mV | ±0.15% ±1digit | 1 °C |
| | WRe5-WRe26 | 0 | to | 2315°C | ±69.0mV | | 1 °C |
| | NiMo-Ni | 0 | to | 290°C | ±13.8mV | ±0.2% | 0.1°C |
| | | 0 | to | 600°C | ±27.6mV | ±1digit | 0.1°C |
| | | 0 | to | 1310°C | ±69.0mV | | 1 °C |
| | | 0 | to | 350°C | ±13.8mV | ±0.15% | 0.1°C |
| | Platinel II | 0 | to | 650°C | ±27.6mV | ±1digit | 0.1°C |
| | | 0 | to | 1390°C | ±69.0mV | _ raigit | 1 °C |
| | PtRh40-PtRh20 | 0 | to | 1880°C | ±13.8mV | ±0.2% | 1 °C |
| | CR-AuFe | 0 | to | 280 K | ±6.9mV | ±1digit | 0.1 K |
| | Au/Pt | 0 | to | 1000°C | ±27.6mV | - | 0.1°C |
| | | -140 | to | 150°C | 160Ω | | 0.1ºC |
| | Pt100 | -200 | to | 300°C | 220Ω | | 0.1ºC |
| | | -200 | to | 649°C | 340 Ω | | 0.1°C |
| | | -200 | to | 850°C | 400 Ω | | 0.1ºC |
| | | -140 | to | 150°C | <u>160Ω</u> | ±0.1% | 0.1°C |
| | Old Pt100 | -200 | to | 300°C | 220 Ω | ±1digit | 0.1°C |
| RTD | | -200 | to | 649°C | 340 Ω | | 0.1°C |
| 0 | JPt100 | -140 | to | 150°C | 160Ω | | 0.1°C |
| | | -200 | to | 300°C | 220Ω | | 0.1°C |
| | | -200 | to | 649°C | 340 Ω | | 0.1°C |
| | Pt50 | -200 | to | 649°C | 220Ω | | 0.1ºC |
| | | | | | | ±0.15% | |
| | Pt-Co | | to | 374K | 220Ω | ±1digit | 0.1 K |

Ν

Note: The accuracy ratings are converted into the measuring range under reference condition. Thermocouple input does not contain reference junction compensation accuracy. K, E, J, T, R, S, B, N : IEC584(1977, 1982), JIS C 1602-1995, JIS C 1605-1995 W-WRe26, NiMo-Ni, Platinel II, PtRh40-PtRh20, CR-AuFe, Au/Pt : ASTM E1751 WRe5-WRe26 : ASTM E988 U, L : DIN43710-1985 Pt100 : IEC751(1995), JIS C 1604-1997 Old Pt100 : IEC751(1983), JIS C 1604-1989, JIS C 1606-1989 JPt100 : JIS C 1604-1981, JIS C 1606-1986, Pt50 : JIS C 1604-1981 Pt-Co : CHINO



| Input type | Exceptional range | | l range | Accuracy rating | | |
|---------------|-------------------|----|---------|--|--|--|
| K'E'J'N'N'T | -200 | to | 0°C | $\pm 0.2\% \pm 1$ digit or equivalent of 70 μ V, | | |
| | | | | whichever is larger. | | |
| Т | -200 | to | 0°C | ±0.2%FS±1digit | | |
| R,S | 0 | to | 400°C | ±0.2%FS±1digit | | |
| В | 0 | to | 400°C | Not defined | | |
| | 400 | to | 800°C | ±0.2%FS±1digit | | |
| W-WRe26 | 0 | to | 400°C | ±0.3%FS±1digit | | |
| PtRh40-PtRh20 | 0 | to | 400°C | ±1.5%FS±1digit | | |
| | 400 | to | 800°C | ±0.8%FS±1digit | | |
| CR-AuFe | 0 | to | 20 K | ±0.5%FS±1digit | | |
| | 20 | to | 50 K | ±0.3%FS±1digit | | |
| Pt-Co | 4 | to | 20 K | ±0.5%FS±1digit | | |
| | 20 | to | 50 K | ±0.3%FS±1digit | | |

Exceptions for accuracy ratings

TERMINAL ARRANGEMENT

Alarm relay output (6 points 'a' contact) + remote contacts and communication interface

| Communication terminal (option) 1 2 3 4 5 6 7 8 RS-232C SG SG SD RD RS-422A SG SDA SDB RDA RDB RS-485 SA SB SG SDA SDA RDB | | Power/protective conductive terminals |
|--|---|---------------------------------------|
| 113-403 SA SB SG | | Remote contact terminals (option) |
| | | Alarm output terminals (option) |
| Measurement input terminals | | N.O terminal |
| TC·mV(+), RTD(A) terminals —— | | COM terminal |
| TC·mV(-), RTD(B) terminalsminals —— | | |
| RTD(B) terminals | | |
| | | 当 |
| | | |
| | · | |

Ethernet connector

Alarm relay output (4 points 'c' contact) + remote contacts and communication interface

| RS-485 SA SB SG Remote contact terminals (option) | als |
|--|-----|
| | |
| AARM RELAY 2 Alarm output terminals (option) | |
| Measurement input terminals | |
| IC mV(+) RID(A) terminals — HHHB&H HB&BAH HB&H HB&H HBAH HING HAHING HAHING HAHING HAH HING HAH HING HAHIN | |
| | |
| | |
| | |
| | |
| | |
| | |

Ethernet connector



APPLICATION SOFTWARE (standard attached)

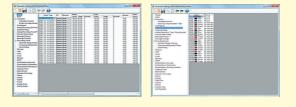
Data Acquisition Software

You can acquire data easily to your PC.

*Optional communication interface requiredImage: training of the state sta

Parameter Setting Software

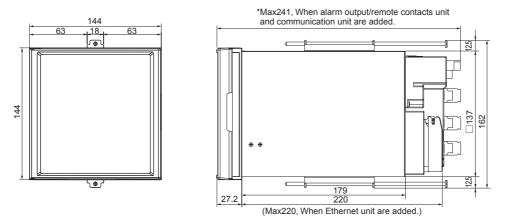
Control the setting information at PC by using communication interface or USB port (standard equipped)



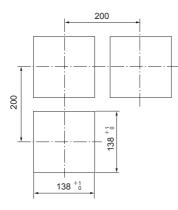
Data Analysis Software

Open the binary file recorded in the SD card, replay display and edit the trend of acquired data file.

DIMENSIONS



Panel cutout



Unit :mm

| | Specifications subject to change without notice. Printed in Japan (I) 2017. 3 |
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| CHINO CORPORATION | |
| 32-8 KUMANO-CHO,ITABASHI-KU,TOKYO 173-8632 Telephone : +81-3-3956-2171 Facsimile : +81-3-3956-0915 E-mail : inter@chino.co.jp Website : www.chino.co.jp/ | |
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