# AH4000 SERIES 180mm chart MULTI-POINT TYPE HYBRID MEMORY RECORDER



AH4000 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 Ether net 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 process, editing and trend display.

Parameter setting software can manage the setting information on PC.

# Standard alarm display/ Printing function

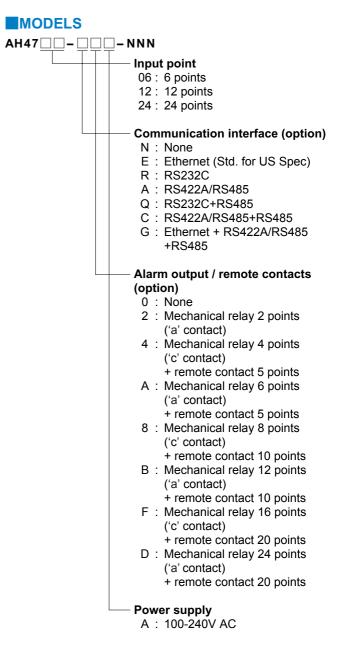
Set 4 types of alarm per each input points. When alarm occurs, status display "ALM" flashes and measuring value flashes at LCD operation screen.

# 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.



# AH4000 SERIES

# NAME





#### 1. Graphic LCD display

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





#### 6 points simultaneous display

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80 80 152	145. 0 🗉	176.0	206.2

# 2. Front key switch

Setting contents can be easily registered by front key switch.



#### 3. SD card slot

Save measured data to SD card b y designated inter val (Fastest 12 points: 2 sec). Also, register measuring / recording condition such as r ange, 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).

# •1 point display + bar graph display $47.6 \cdot c$ 2010/11/c 18:24:4 18:24:4 18:24:4

SO 15% (ENT) CH SET (MENU) MENU (ENCE) AUTO/CONST (ENCE) ALARM

#### 24 points simultaneous display

<b>FI</b> 31.3	<b>1</b>	10.00.1	EL HEL	11.11.2	10.208.4
EL 201.1	10.101.1	BR. 191.1	II.uus	10.1014	12.00.1
al in i	H. 40.1	10.00.0	20. area	11 416.3	10
11 ALL	10. 10.1	8. 61.5	10 -011	22 411.1	61 m s

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



#### 4. Engineering port at the front

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





# **RECORDING EXAMPLE**

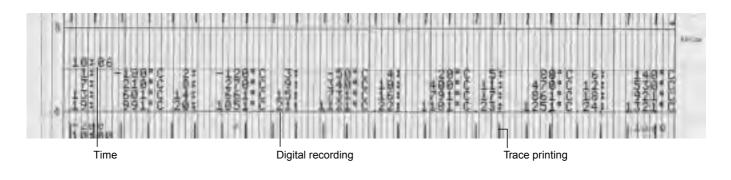
### Periodic data printing

Record the data with time, scale, chart speed, setting change mark and time line over trace printing by arbitrary interval.

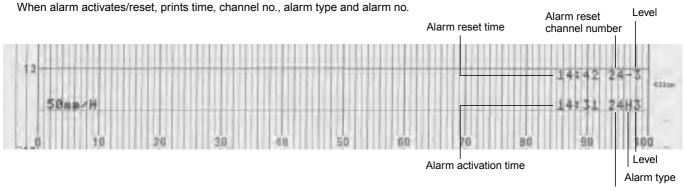


# Data print

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



### Alarm activation and reset printing



Alarm activation CH No.

# **INPUT SPECIFICATIONS**

<b>INPUT SPE</b>	CIFICATIONS
Measuring points:	6, 12, 24
Input types:	DC voltage ±13.8mV, ±27.6mV, ±69.0mV, ±200mV, ±500mV, ±1V
	±5V, ±10V, ±20V, ±50V DC current Max 50mA by external shunt resistor
	$(100\Omega, 250\Omega)$ (sold separately) Thermocouple
	K, E, J, T, R, S, B, N, U, L, W-WRe26, WRe5-WRe26, PtRh40-PtRh20, NiMo-Ni, CR-AuFe, Platinel I, Au/Pt
	Resistance thermometer Pt100, old Pt100, JPt100, Pt50, Pt-Co
Accuracy ratings:	Refer to the table of measuring range/accuracy ratings/display resolution
Measuring interval	2 seconds/ 24 points, 2 seconds/ 12 points, 2 seconds/ 24 points
Input resolution:	About 1/40,000 or better (converted to
Reference junction	reference range) i compensation accuracy: At ambient temperature:23℃±10℃ K, E, J, T, N PlatinelII ±0.5℃ or EMF 20µV, whichever greater
	Other than above
	±1.0°C or EMF 40µV, whichever greater
Burnout:	Burnout detection function for thermocouple input and RTD input. Upper burnout, lower burnout or burnout disabled is selectable for each input.
Maximum commor	ande voltage: 30V AC/60V DC
Common mode rej	
Normal mode reject	ction ratio:
Terminal board:	50dB or more (50/60Hz) Removable when wiring.
<b>DISPLAY S</b> Analog display:	PECIFICATIONS LCD bar graph 180mm

# LCD bar graph 180mm Monographic type LCD (Backlight AUTO / Always ON settable) Dots : 264 x 48 dots Display area : 184 x 22mm All channels simultaneous display, year/month/day, hour/minute, alarm activate channel, chart speed display of measuring value. REC, CARD, ALM Digital display: Display item: Status display:

#### ALARM DISPLAY

Alarm display:	Status display "ALM" flash, measuring value
	flash at operation screen
Alarm types:	Absolute alarm, differential alarm, rate-of-
	change alarm, FAIL, calendar timer, chart end.
Alarm settings:	Individual settings, Max 4 levels/channel
Alarm output:	Mechanical relay 2, 6, 12, 24 points ('a' contact)
-	Mechanical relay 4, 8, 16 points ('c' contact)

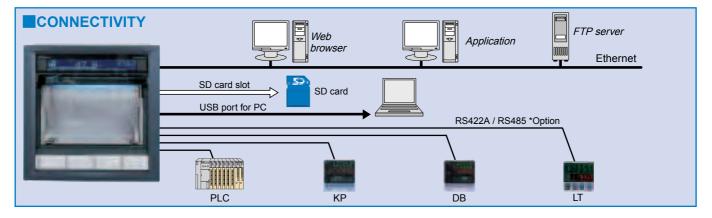
# STANDARDS (CONFORMITY PENDING)

EN61326-1
EN61010-1
*Under EMC test condition, variation in
indication value is ±20% or ±2mV at maximum,
whichever is larger.
UL61010-1 2nd edition
CAN/CSA C22.2 No.61010-1-04
IEC 60529 IP54

# **RECORDING SPECIFICATIONS**

Dotting interval: 5 seconds/point, 2.5 seconds/point Interlock to chart speed Recording method: Wire-dot type 6-color ribbon Record/Printed color: Trace printing (default colors)

	Trace printing (default colors)					
	Channel no.	1, 7 13,19	2, 8 14,21	3, 9 15,21		
	Color	Red	Black	Blue		
	Channel no.	4,10 16,22	5,11 17,23	6,12 18,24		
	Color	Green	Brown	Purple		
	Digital record		Biowii	1 di pie		
	Periodic data printing	Repetition of brown and p	of red, black, ourple	blue, green,		
	Alarm printing	Activate: Re	ed, Reset: Gro	een		
	List printing		nel each iten ce printing co			
Chart paper:	Fan-fold type Total width 20 chart width 18		ength 20m, e	effective		
Chart speed:	1 to 1500mm (12.5mm / h c	/ h, in 1mm/		i		
Periodic data printi			(coptionally)			
	Digital printin month / day, t Interval (hour	ime, channe /time) arbitra	l no., data, ui iry setting.	nit		
Data printing:	When require digital print tir			and		
Alarm printing:	Alarm activat	ed Time, o I	channel no., a			
	Álarm reset - Memory capa	acity Max.	48 data			
List printing:	When require date, chart sp	beed and set				
Message printing:	each channel. Print when required Up to 15 characters/message, register up to 20					
	characters.	racters/mess	age, register	up to 20		
ON/OFF of display		]: )EE of displa	y ner each cl	hannel		
	trace recordir chart, recordi	ng to chart, d	igital recordii	ng to		
Subtract printing:	Record differe			channel		
	and measurin	ng value or be	etween refere	ence		
Zana minting	value (set val	ue) and mea	suring value.			
Zone printing: Compressed/Expan	2/3/4 divisi	ons				
Compressed/Expan	Range limit is chart recordir					
Automatic range sh	expanded.	.g.e.e.e.epp				
	Recording rai	nge is shifted	automatical	ly to		
	another set ra					
	exceeds the available.	current range	e. Overlap für	ICUON		
Skip function:	No display or ranges are no		hannels of wi	hich		





# **GENERAL SPECIFICATIONS**

Rated power volta	ide:
•	100 to 240VAC, 50/60Hz
Maximum power of	
	Max 65VA
	100V AC balanced: 22VA,
	240V AC balanced: 31VA
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°
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:	About 7.6kg
Terminal screw:	Power terminal,
	Protective conductor terminal M4.0
	Measuring input terminal, alarm output terminal
	Remote contact terminal M3.5
	Communication terminal M3.0

# **OPTIONS**

Remote contact:	(digital co chart spe Input poir Input sign Exterior o	al relay contact signal intact: short or open), you can select ed or data printing its: 5 points, 10 points, 20 points ial: Digital contact signal or open collector signal utput: 5V DC/2mA 1. Record start/stop 2. Chart speed 3-speed switch 3. Data printing 4. List printing 5. Message printing 6. Operation record (Record ON/OFF condition to the designate location by bar line) 7. Integration/F value reset 8. Memory card (record start/stop) 9. Alarm output rest 10. Time correction
Alarm output:	Mechanic	al relay ('a' contact) 2 points, 6 points, 12 points, 24 points Max. load 100 to 240VAC 0.2A 30V DC 0.2A Min. load 5V DC 10mA
	Mechanic	al relay ('c' contact) 4 points, 8 points, 16 points Max. load 100 to 240VAC 0.2A 30V DC 0.2A Min. load 5V DC 10mA
Communication in	terface:	RS232C, RS422A, RS485, Ethernet

# ACCESSORIES

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

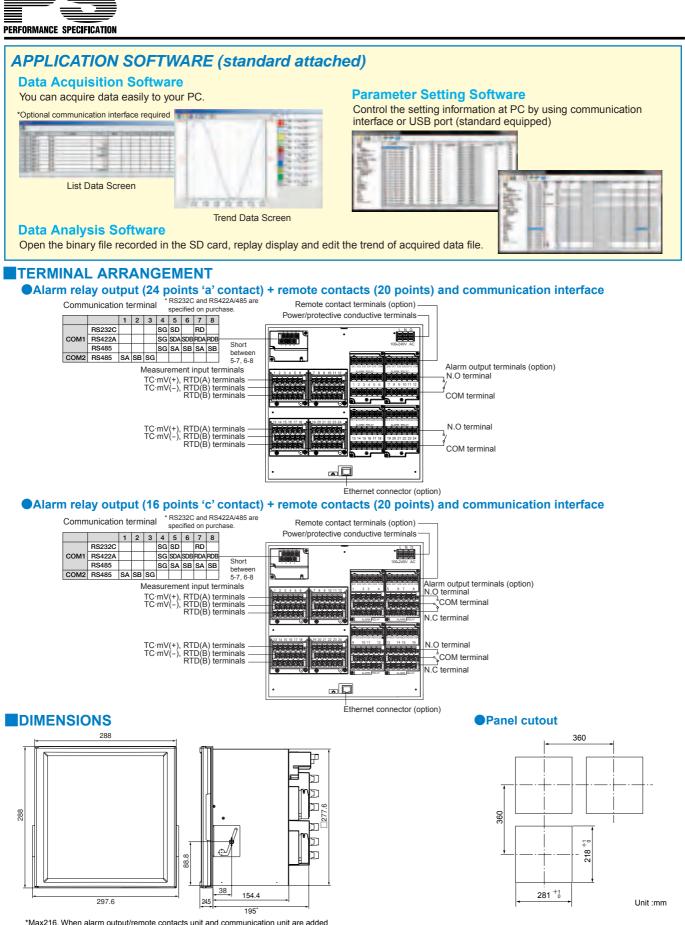
The function of the second of the			Magazi		Defense	Accuracy	Display
Provide -27.6 to 27.6mV ±27.6mV ±07.0mV   -200 to 200mV ±200mV ±00mV   -500 to 500mV ±500mV ±01mV   -1 to<1V		Input type			•	Accuracy ratings	resolution
mV -69.0 to 69.0mV ±69.0mV ±01/M   -200 to 200mV ±500mV ±01/M ±01/M   -500 to 500mV ±500mV ±01/M ±01/M   -500 to 500mV ±500mV ±01/M ±01/M   -500 to 500 V ±20V ±01/M ±01/M   -500 to 500 V ±20V ±01/M ±01/M   -500 to 500 V ±20V ±01/M ±01/M   -200 to 300°C ±13.8mV 0.1°C   -200 to 350°C ±27.6mV 0.1°C   -200 to 500°C ±27.6mV 0.1°C   -200 to 500°C ±27.6mV 0.1°C   -200 to 1760°C ±27.6mV 0.1°C   -200 to 1300°C ±13.8mV 1°C   -200 to 500°C ±27.6mV 1°C   -200 to 500°C ±27.6mV 1°C   -200 to 500°C ±27.6mV ±0.1%   -200 to 500°C							
Provide -200 to 200mV ±200mV ±0.1% ±0.1%   -500 to 500mV ±500mV ±0.1% ±0.1% ±0.1%   -50 to 50V ±10V ±10V ±10V ±0.1%   -50 to 50V ±10V ±10V ±0.1% ±10V   -200 to 300°C ±13.8mV 10mN ±10V   -200 to 350°C ±13.8mV 0.1°C 0.1°C   -200 to 350°C ±13.8mV 0.1°C 0.1°C   -200 to 200°C ±13.8mV 0.1°C 0.1°C   -200 to 200°C ±13.8mV 0.1°C 0.1°C   -200 to 1200°C ±13.8mV 0.1°C 0.1°C   -200 to 1200°C ±13.8mV 0.1°C 0.1°C   -200 to 1200°C ±13.8mV 1°C 0.1°C   -200 to 1300°C ±13.8mV 1°C 0.1°C   -200 to 250°C ±13.8mV 1°C 0.1°C   -200 to 250°C ±13.8mV 1°C 0.1°C   -200 to 250°C ±13.8mV 1°C 0.1°C   -200 to 500°C	DC						10µV
Correction -500 to 500mV ±500mV ±0.1% ±10igit 100µX   -1 to 1V ±1V ±10igit ±1digit 100µX   -20 to 20V ±20V ±00V 100mV   -20 to 300°C ±13.8mV 0.1%   -200 to 300°C ±27.6mV 0.1%   -200 to 350°C ±27.6mV 0.1%   -200 to 200°C ±13.8mV 0.1%   -200 to 250°C ±13.8mV 0.1%   -200 to 250°C ±13.8mV 0.1%   -200 to 250°C ±13.8mV 0.1%   -200 to 1200°C ±13.8mV 0.1%   -200 to 1200°C ±13.8mV 0.1%   -200 to 1300°C ±13.8mV 0.1%   -200 to 250°C ±13.8mV 10%   -200 to 500°C ±27.6mV 1%   -200 to 250°C ±13.8mV 1%   -200 to 500°C ±27.6mV 1%   -200 to 500°C ±27.6mV 1%   -200 to 500°C ±27.6mV 1%   -200 to 500°C ±38mV		mV	-69.0 to				
V -10 to 10V ± 10V 10mX   -20 to 20V ± 20V 10mX   -50 to 50V ± 50V 10mX   -200 to 300°C ± 13.8mV 0.1°C   -200 to 1370°C ± 690mV 0.1°C   -200 to 200°C ± 13.8mV 0.1°C   -200 to 350°C ± 27.6mV 0.1°C   -200 to 200°C ± 13.8mV 0.1°C   -200 to 250°C ± 13.8mV 0.1°C   -200 to 250°C ± 13.8mV 0.1°C   -200 to 250°C ± 13.8mV 0.1°C   -200 to 1200°C ± 13.8mV 0.1°C   T -200 to 250°C ± 13.8mV 0.1°C   R 0 to 1760°C ± 27.6mV 1°C   S 0 to 1760°C ± 27.6mV 1°C   N -200 to 250°C ± 13.8mV 1°C   N -200 to 250°C ± 13.8mV 1°C   Q 0 to 2315°C ± 27.6mV 1°C   Q 0 to 2315°C ± 69.0mV 1°C   N -200 to 500			–200 to				_100μ\
V -10 to 10V ± 10V 10mX   -20 to 20V ± 20V 10mX   -50 to 50V ± 50V 10mX   -200 to 300°C ± 13.8mV 0.1°C   -200 to 1370°C ± 690mV 0.1°C   -200 to 200°C ± 13.8mV 0.1°C   -200 to 350°C ± 27.6mV 0.1°C   -200 to 200°C ± 13.8mV 0.1°C   -200 to 250°C ± 13.8mV 0.1°C   -200 to 250°C ± 13.8mV 0.1°C   -200 to 250°C ± 13.8mV 0.1°C   -200 to 1200°C ± 13.8mV 0.1°C   T -200 to 250°C ± 13.8mV 0.1°C   R 0 to 1760°C ± 27.6mV 1°C   S 0 to 1760°C ± 27.6mV 1°C   N -200 to 250°C ± 13.8mV 1°C   N -200 to 250°C ± 13.8mV 1°C   Q 0 to 2315°C ± 27.6mV 1°C   Q 0 to 2315°C ± 69.0mV 1°C   N -200 to 500	ś			500mV	±500mV		_100μ\
V -10 to 10V ± 10V 10mX   -20 to 20V ± 20V 10mX   -50 to 50V ± 50V 10mX   -200 to 300°C ± 13.8mV 0.1°C   -200 to 1370°C ± 690mV 0.1°C   -200 to 200°C ± 13.8mV 0.1°C   -200 to 350°C ± 27.6mV 0.1°C   -200 to 200°C ± 13.8mV 0.1°C   -200 to 250°C ± 13.8mV 0.1°C   -200 to 250°C ± 13.8mV 0.1°C   -200 to 250°C ± 13.8mV 0.1°C   -200 to 1200°C ± 13.8mV 0.1°C   T -200 to 250°C ± 13.8mV 0.1°C   R 0 to 1760°C ± 27.6mV 1°C   S 0 to 1760°C ± 27.6mV 1°C   N -200 to 250°C ± 13.8mV 1°C   N -200 to 250°C ± 13.8mV 1°C   Q 0 to 2315°C ± 27.6mV 1°C   Q 0 to 2315°C ± 69.0mV 1°C   N -200 to 500	olta		-1 to	1V	± 1V	±1digit	10mV
Image: Problem 1 -20 to 20V ± 20V 10mV   -50 to 50V ± 20V 10mV 10mV   -50 to 50V ± 50V 10mV 10mV   -200 to 300°C ± 13.8mV 0.1°C 10mV   -200 to 1370°C ± 690mV 1°C 0.1°C   -200 to 500°C ± 27.6mV 0.1°C 0.1°C   -200 to 500°C ± 77.6mV 0.1°C 0.1°C   -200 to 500°C ± 13.8mV 0.1°C 0.1°C   J -200 to 20°C ± 13.8mV 1°C   T -200 to 10°C ± 13.8mV 1°C   M 0 to 180°C ± 13.8mV 1°C   M -200 to 500°C ± 27.6mV 1°C   M -200 to 500°C ± 27.6mV 1°C   M -200 to<	ge		-5 to	5V	± 5V		10mV
Image: Hermitian intermediate int		V	-10 to	10V	± 10V		10m∖
K -200 to 300°C ±13.8mV 227.6mV 0.1°C   -200 to 370°C ±69.0mV 1°C 0.1°C   -200 to 350°C ±27.6mV 0.1°C 0.1°C   -200 to 350°C ±27.6mV 0.1°C 0.1°C   -200 to 550°C ±13.8mV 0.1°C 0.1°C   -200 to 250°C ±13.8mV 0.1°C 0.1°C   -200 to 250°C ±13.8mV 0.1°C 0.1°C   -200 to 250°C ±13.8mV 0.1°C 1°C   -200 to 10°C ±27.6mV 1°C 1°C   -200 to 10°C ±13.8mV 1°C 1°C   -200 to 500°C ±27.6mV 1°C 1°C   -200 to 500°C ±27.6mV 1°C 1°C   -200 to 500°C ±27.6mV 1°C 1°C   -200			-20 to	20V	± 20V		10m∖
K -200 to 600°C ±27.6mV 0.1°C   -200 to 1370°C ±69.0mV 0.1°C 1.0°C   E -200 to 900°C ±69.0mV 0.1°C 0.1°C   -200 to 900°C ±69.0mV 0.1°C 0.1°C 0.1°C   -200 to 50°C ±13.8mV 0.1°C 0.1°C 0.1°C   J -200 to 250°C ±13.8mV 0.1°C 0.1°C   T -200 to 20°C ±13.8mV 0.1°C 1°C   T -200 to 176°C ±27.6mV 0.1°C 1°C   N 0 to 176°C ±27.6mV 0.1°C 1°C   S 0 to 1820°C ±13.8mV 1°C 1°C   V -200 to 500°C ±27.6mV 1°C 1°C   Q 100 250°C ±13.8mV ±0.1% 1°C 1°C			-50 to	50V	± 50V		10mV
K -200 to 600°C ±27.6mV 0.1°C   -200 to 1370°C ±69.0mV 0.1°C 1.0°C   E -200 to 900°C ±69.0mV 0.1°C 0.1°C   -200 to 900°C ±69.0mV 0.1°C 0.1°C 0.1°C   -200 to 50°C ±13.8mV 0.1°C 0.1°C 0.1°C   J -200 to 250°C ±13.8mV 0.1°C 0.1°C   T -200 to 20°C ±13.8mV 0.1°C 1°C   T -200 to 176°C ±27.6mV 0.1°C 1°C   N 0 to 176°C ±27.6mV 0.1°C 1°C   S 0 to 1820°C ±13.8mV 1°C 1°C   V -200 to 500°C ±27.6mV 1°C 1°C   Q 100 250°C ±13.8mV ±0.1% 1°C 1°C			-200 to	300°C	±13.8mV		0.1°C
E -200 to 200°C ±13.8mV ±27.6mV 0.1°C   J -200 to 350°C ±27.6mV 1.°C   J -200 to 250°C ±13.8mV 0.1°C   J -200 to 250°C ±13.8mV 0.1°C   T -200 to 250°C ±13.8mV 0.1°C   -200 to 1200°C ±69.0mV 1.°C 1.°C   T -200 to 400°C ±27.6mV 1.°C   R 0 to 1200°C ±13.8mV 1.°C   N 0 to 1760°C ±27.6mV 1.°C   B 0 to 1300°C ±13.8mV 1.°C   N -200 to 400°C ±13.8mV 1.°C   -200 to 500°C ±27.6mV 1.°C 1.°C   N -200 to 500°C ±27.6mV 1.°C   -200 to 500°C ±27.6mV 1.°C 1.°C   U -200 to 500°C ±27.6mV 1.°C   U -200 to 500°C ±27.6mV 1.°C   U -200 to 500°C ±27.6mV 1.°C   U -200 to 500°C <td></td> <td>K</td> <td>-200 to</td> <td>600°C</td> <td>±27.6mV</td> <td></td> <td>0.1°C</td>		K	-200 to	600°C	±27.6mV		0.1°C
E -200 to 350°C ±27.6mV 0.1°C   -200 to 250°C ±13.8mV 0.1°C   -200 to 500°C ±27.6mV 0.1°C   -200 to 250°C ±13.8mV 0.1°C   -200 to 500°C ±27.6mV 0.1°C   -200 to 400°C ±27.6mV 0.1°C   -200 to 400°C ±27.6mV 0.1°C   -200 to 1200°C ±13.8mV 0.1°C   -200 to 1760°C ±27.6mV 0.1°C   -200 to 1760°C ±27.6mV 1°C   0 to 180°C ±13.8mV 1°C   -200 to 50°C ±13.8mV 0.1°C   NiMo-Ni 0 to 290°C ±13.8mV			-200 to	1370°C	±69.0mV		1 °C
E -200 to 350°C ±27.6mV 0.1°C   -200 to 250°C ±13.8mV 0.1°C   -200 to 500°C ±27.6mV 0.1°C   -200 to 250°C ±13.8mV 0.1°C   -200 to 500°C ±27.6mV 0.1°C   -200 to 400°C ±27.6mV 0.1°C   -200 to 400°C ±27.6mV 0.1°C   -200 to 1200°C ±13.8mV 0.1°C   -200 to 1760°C ±27.6mV 0.1°C   -200 to 1760°C ±27.6mV 1°C   0 to 180°C ±13.8mV 1°C   -200 to 50°C ±13.8mV 0.1°C   NiMo-Ni 0 to 290°C ±13.8mV				200°C			
-200 to 900°C ±69.0mV 1°C   J -200 to 250°C ±13.8mV 0.1°C   -200 to 1200°C ±89.0mV 1°C   T -200 to 250°C ±13.8mV 0.1°C   -200 to 1200°C ±13.8mV 0.1°C 1°C   R 0 to 1200°C ±13.8mV 0.1°C   R 0 to 1760°C ±27.6mV 1°C   B 0 to 1760°C ±27.6mV 1°C   B 0 to 1820°C ±13.8mV 1°C   0 to 1760°C ±27.6mV 1°C 1°C   B 0 to 1820°C ±13.8mV 1°C   N -200 to 250°C ±13.8mV 1°C   -200 to 50°C ±27.6mV 0.1°C 0.1°C   -200 to 50°C ±13.8mV 0.1°C 0.1°C   -200 to 50°C ±13.8mV 0.1°C 0.1°C   -200 to 50°C ±13.8mV 0.1°C 0.1°C   NiMo-Ni 0 to 350°C ±13.8mV 0.1°C   NiMo-Ni 0 to 350°C ±13.8mV 0		Е					0.1°C
J -200 to 250°C ±13.8mV 0.1°C   -200 to 1200°C ±68.0mV 1°C   T -200 to 400°C ±13.8mV 0.1°C   R 0 to 1200°C ±13.8mV 0.1°C   R 0 to 1200°C ±13.8mV 0.1°C   R 0 to 1200°C ±13.8mV 0.1°C   N -200 to 400°C ±27.6mV 1°C   B 0 to 1300°C ±13.8mV 1°C   N -200 to 400°C ±13.8mV 1°C   -200 to 750°C ±27.6mV 1°C 1°C   -200 to 750°C ±13.8mV 1°C 1°C   -200 to 500°C ±13.8mV 1°C 1°C   -200 to 500°C ±13.8mV 1°C 1°C   -200 to 500°C ±13.8mV 0.1°C 1°C   -200 to 500°C ±13.8mV 0.1°C 1°C   VWWRe26 0 to 2315°C ±69.0mV 1°C   NiMo-Ni 0 to 600°C ±13.8mV 0.1°C   NiMo-Ni 0 to 50°C ±13.8mV							
J -200 to 500°C ±27.6mV 0.1°C   -200 to 1200°C ±69.0mV 1°C   T -200 to 400°C ±27.6mV 0.1°C   R 0 to 1200°C ±13.8mV 1°C   S 0 to 1300°C ±13.8mV 1°C   B 0 to 1300°C ±13.8mV 1°C   N -200 to 400°C ±27.6mV 1°C   O to 130°C ±13.8mV 1°C   B 0 to 1820°C ±13.8mV ±0.1%   -200 to 750°C ±27.6mV 1°C   O to 1300°C ±69.0mV ±10igit   -200 to 550°C ±13.8mV ±101%   U -200 to 500°C ±27.6mV 1°C   O to 500°C ±27.6mV 1°C   U -200 to 500°C ±13.8mV 1°C   U -200 to 500°C ±27.6mV 0.1°C   U -200 to 500°C ±27.6mV 0.1°C   U -200 to 500°C ±13.8mV 0.1°C   U							
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T -200 to 250°C ±13.8mV 0.1°C   -200 to 400°C ±27.6mV 1°C   S 0 to 1760°C ±27.6mV 1°C   B 0 to 1760°C ±27.6mV 1°C   B 0 to 1760°C ±27.6mV 1°C   B 0 to 1820°C ±13.8mV ±0.1%   N -200 to 130°C ±6.7mV ±0.1%   U -200 to 10°C ±0.1% ±0.1%   U -200 to 38mV ±0.1% ±0.1%   U -200 to 50°C ±13.8mV 0.1°C   U -200 to 50°C ±13.8mV 0.1°C   U -200 to 20°C ±13.8mV 0.1°C   U -200 to 20°C ±13.8mV 0.1°C   Wwes-WRe26 0 to<2315°C ±69.0mV 1°C <td></td> <td>0</td> <td></td> <td></td> <td></td> <td></td> <td>-</td>		0					-
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R 0 to 1200°C ±13.8mV 1 °C   S 0 to 1300°C ±27.6mV 1 °C   B 0 to 1760°C ±27.6mV 1 °C   B 0 to 1820°C ±13.8mV 1 °C   N -200 to 400°C ±13.8mV ±0.1% 1 °C   N -200 to 750°C ±27.6mV ±1digit 1 °C   U -200 to 500°C ±13.8mV ±1digit 1 °C   U -200 to 500°C ±13.8mV ±1digit 0 °C   U -200 to 500°C ±13.8mV ±0.1% 1 °C   U -200 to 500°C ±13.8mV 0.1°C 0.1°C   U -200 to 500°C ±13.8mV 0.1°C 0.1°C   U -200 to 500°C ±13.8mV 0.1°C 0.1°C   WwwRe26 0 to 2315°C ±69.0mV 1 °C 0.1°C   Wet5-WRe26 0 to 350°C ±13.8mV 0.1°C 0.1°C   Platinel II 0 to 350°C ±13.8mV 0.1°C 0.1°C   Oto 1310°C		Т					
$ { \begin{tabular}{ c c c c } \hline { R} & 0 & to & 1760^\circ C & \pm 27.6mV \\ \hline { S} & 0 & to & 1300^\circ C & \pm 13.8mV \\ \hline 0 & to & 1760^\circ C & \pm 27.6mV \\ \hline { B} & 0 & to & 1820^\circ C & \pm 13.8mV \\ \hline -200 & to & 400^\circ C & \pm 13.8mV \\ \hline -200 & to & 750^\circ C & \pm 27.6mV \\ \hline -200 & to & 1300^\circ C & \pm 69.0mV \\ \hline -200 & to & 500^\circ C & \pm 27.6mV \\ \hline -200 & to & 500^\circ C & \pm 27.6mV \\ \hline -200 & to & 500^\circ C & \pm 27.6mV \\ \hline -200 & to & 500^\circ C & \pm 27.6mV \\ \hline -200 & to & 500^\circ C & \pm 27.6mV \\ \hline -200 & to & 500^\circ C & \pm 27.6mV \\ \hline -200 & to & 500^\circ C & \pm 27.6mV \\ \hline -200 & to & 500^\circ C & \pm 27.6mV \\ \hline -200 & to & 500^\circ C & \pm 27.6mV \\ \hline -200 & to & 500^\circ C & \pm 27.6mV \\ \hline 0 & 10 & 250^\circ C & \pm 13.8mV \\ \hline W + W Re5 - W Re26 & 0 & to 2315^\circ C & \pm 69.0mV \\ \hline W - W Re26 & 0 & to 2315^\circ C & \pm 69.0mV \\ \hline W Re5 - W Re26 & 0 & to 2315^\circ C & \pm 69.0mV \\ \hline W Re5 - W Re26 & 0 & to 2315^\circ C & \pm 69.0mV \\ \hline 0 & to & 1310^\circ C & \pm 69.0mV \\ \hline 0 & to & 130^\circ C & \pm 27.6mV \\ \hline 0 & to & 130^\circ C & \pm 27.6mV \\ \hline 0 & to & 130^\circ C & \pm 13.8mV \\ \hline P I hth0 - PI Rh20 & 0 & to & 1880^\circ C & \pm 13.8mV \\ \hline P I hth0 - PI Rh20 & 0 & to & 1880^\circ C & \pm 13.8mV \\ \hline 0 & to & 130^\circ C & \pm 27.6mV \\ \hline 0 & to & 130^\circ C & \pm 27.6mV \\ \hline 0 & 10 & 0 & to & 300^\circ C & 220\Omega \\ \hline -200 & to & 300^\circ C & 220\Omega \\ \hline -200 & to & 300^\circ C & 220\Omega \\ \hline -200 & to & 300^\circ C & 220\Omega \\ \hline -200 & to & 300^\circ C & 220\Omega \\ \hline -200 & to & 300^\circ C & 220\Omega \\ \hline -200 & to & 300^\circ C & 220\Omega \\ \hline -200 & to & 500^\circ C & 400\Omega \\ \hline -200 & to & 300^\circ C & 220\Omega \\ \hline -200 & to & 500^\circ C & 400\Omega \\ \hline -140 & to & 150^\circ C & 160\Omega \\ \hline -200 & to & 300^\circ C & 220\Omega \\ \hline -200 & to & 649^\circ C & 340\Omega \\ \hline 0 & 10^\circ C \\ \hline 0 & 10^\circ C \\ \hline 0 & 10^\circ C & 160\Omega \\ \hline 0 & 10^\circ C \\$							
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B 0 to 1760°C ±27.6mV ±0.1% 1°C   B 0 to 1820°C ±13.8mV ±10igit 1°C   N -200 to 400°C ±13.8mV ±10igit 1°C   -200 to 750°C ±27.6mV ±1digit 1°C   -200 to 50°C ±13.8mV 1°C 0.1°C   -200 to 50°C ±13.8mV 0.1°C 0.1°C   -200 to 50°C ±13.8mV 0.1°C 0.1°C   -200 to 250°C ±13.8mV 0.1°C 0.1°C   -200 to 250°C ±13.8mV 0.1°C 0.1°C   -200 to 2315°C ±69.0mV 1°C 0.1°C   Wes-WRe26 to 2315°C ±69.0mV 1°C 0.1°C   NiMo-Ni 0 to 350°C ±13.8mV 0.1°C 0.1°C   Platinel II 0 to 550°C ±							-
B 0 to 1820°C ±13.8mV ±0.1%   N -200 to 400°C ±13.8mV ±1digit 0.1°C   -200 to 750°C ±27.6mV ±1digit 1°C 0.1°C   -200 to 50°C ±13.8mV -1°C 0.1°C 1°C   -200 to 50°C ±13.8mV -1°C 0.1°C 0.1°C   -200 to 50°C ±13.8mV 0.1°C 0.1°C 0.1°C   -200 to 50°C ±13.8mV 0.1°C 0.1°C 0.1°C   -200 to 250°C ±13.8mV 0.1°C 0.1°C 0.1°C   WeWRe26 0 to<2315°C		S					
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$ { Pire that the third term of the third term $							
$ \begin{array}{ c c c c c c } \begin{tabular}{ c c c c } \hline L & -200 & to & 500^\circ C & \pm 27.6mV \\ \hline -200 & to & 900^\circ C & \pm 69.0mV \\ \hline -200 & to & 2315^\circ C & \pm 69.0mV \\ \hline WRe5-WRe26 & 0 & to & 2315^\circ C & \pm 69.0mV \\ \hline WRe5-WRe26 & 0 & to & 2315^\circ C & \pm 69.0mV \\ \hline WRe5-WRe26 & 0 & to & 230^\circ C & \pm 13.8mV \\ \hline 0 & to & 1310^\circ C & \pm 69.0mV \\ \hline 0 & to & 1310^\circ C & \pm 69.0mV \\ \hline 0 & to & 1310^\circ C & \pm 69.0mV \\ \hline 0 & to & 1300^\circ C & \pm 27.6mV \\ \hline 0 & to & 1300^\circ C & \pm 27.6mV \\ \hline 0 & to & 1390^\circ C & \pm 69.0mV \\ \hline PlRh40-PtRh20 & 0 & to & 1880^\circ C & \pm 13.8mV \\ \hline CR-AuFe & 0 & to & 280 K & \pm 6.9mV \\ \hline Au/Pt & 0 & to & 1000^\circ C & \pm 27.6mV \\ \hline 0 & to & 1300^\circ C & \pm 27.6mV \\ \hline 0 & to & 1390^\circ C & \pm 69.0mV \\ \hline PtRh40-PtRh20 & 0 & to & 1880^\circ C & \pm 13.8mV \\ \hline 0 & to & 1000^\circ C & \pm 27.6mV \\ \hline 0 & to & 1000^\circ C & \pm$							
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$ \begin{array}{c c c c c c c c } \hline W & WRe526 & 0 & to $2315^\circ C $\pm 69.0 mV \\ \hline WRe5-WRe26 & 0 & to $2315^\circ C $\pm 69.0 mV \\ \hline WRe5-WRe26 & 0 & to $2315^\circ C $\pm 69.0 mV \\ \hline 0 & to $290^\circ C $\pm 13.8 mV \\ \hline 0 & to $600^\circ C $\pm 27.6 mV \\ \hline 0 & to $1310^\circ C $\pm 69.0 mV \\ \hline 0 & to $1310^\circ C $\pm 69.0 mV \\ \hline 0 & to $1300^\circ C $\pm 27.6 mV \\ \hline 0 & to $1390^\circ C $\pm 27.6 mV \\ \hline 0 & to $1390^\circ C $\pm 27.6 mV \\ \hline 0 & to $1390^\circ C $\pm 27.6 mV \\ \hline 0 & to $1390^\circ C $\pm 27.6 mV \\ \hline 0 & to $1390^\circ C $\pm 13.8 mV \\ \hline 0 & to $1390^\circ C $\pm 13.8 mV \\ \hline 0 & to $1390^\circ C $\pm 13.8 mV \\ \hline 0 & to $1390^\circ C $\pm 13.8 mV \\ \hline 0 & to $1390^\circ C $\pm 13.8 mV \\ \hline 0 & to $1390^\circ C $\pm 13.8 mV \\ \hline 0 & to $1390^\circ C $\pm 13.8 mV \\ \hline 0 & to $1000^\circ C $\pm 27.6 mV \\ \hline $		L					-
$ \begin{array}{c c c c c c c } \hline \mbox{WRe5-WRe26} & 0 & to $2315^\circ$C $\pm 69.0mV \\ \hline \mbox{MiMo-Ni} & 0 & to $290^\circ$C $\pm 13.8mV \\ \hline 0 to $1310^\circ$C $\pm 27.6mV \\ \hline \mbox{0 to $1310^\circ$C $\pm 69.0mV \\ \hline \mbox{0 to $1300^\circ$C $\pm 27.6mV \\ \hline \mbox{0 to $1390^\circ$C $\pm 69.0mV \\ \hline \mbox{0 to $1380^\circ$C $\pm 13.8mV \\ \hline \mbox{0 to $1390^\circ$C $\pm 69.0mV \\ \hline \mbox{0 to $1380^\circ$C $\pm 13.8mV \\ \hline \mbox{0 to $1390^\circ$C $\pm 69.0mV \\ \hline \mbox{0 to $1380^\circ$C $\pm 13.8mV \\ \hline \mbox{0 to $1390^\circ$C $\pm 69.0mV \\ \hline \mbox{0 to $1000^\circ$C $\pm 27.6mV \\ \hline \mbox{0 to $0.10^\circ$C \\ \hline \mbox{0 to $300^\circ$C $220\Omega \\ \hline \mbox{0 to $649^\circ$C $340\Omega \\ \hline \hline \mbox{0 to $649^\circ$C $340\Omega \\ \hline \hline \mbox{0 to $610^\circ$C $160\Omega \\ \hline \hline \$							-
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$ \begin{array}{ c c c c c c } \hline \mbox{NiMo-Ni} & 0 & to & 600^\circ $		WRe5-WRe26					
$ \begin{array}{ c c c c c c } \hline Platinel II & 0 & to & 1310^\circ \mathbb{C} & \pm 69.0 \text{mV} \\ \hline Platinel II & 0 & to & 350^\circ \mathbb{C} & \pm 13.8 \text{mV} \\ \hline 0 & to & 350^\circ \mathbb{C} & \pm 27.6 \text{mV} \\ \hline 0 & to & 1390^\circ \mathbb{C} & \pm 69.0 \text{mV} \\ \hline PlRh40-PtRh20 & 0 & to & 1880^\circ \mathbb{C} & \pm 13.8 \text{mV} \\ \hline PtRh40-PtRh20 & 0 & to & 1880^\circ \mathbb{C} & \pm 13.8 \text{mV} \\ \hline CR-AuFe & 0 & to & 280 \text{ K} & \pm 6.9 \text{mV} \\ \hline Au/Pt & 0 & to & 1000^\circ \mathbb{C} & \pm 27.6 \text{mV} \\ \hline Au/Pt & 0 & to & 1000^\circ \mathbb{C} & \pm 27.6 \text{mV} \\ \hline -140 & to & 150^\circ \mathbb{C} & 160\Omega \\ \hline -200 & to & 300^\circ \mathbb{C} & 220\Omega \\ \hline -200 & to & 649^\circ \mathbb{C} & 340\Omega \\ \hline -200 & to & 300^\circ \mathbb{C} & 220\Omega \\ \hline -200 & to & 300^\circ \mathbb{C} & 220\Omega \\ \hline -200 & to & 300^\circ \mathbb{C} & 220\Omega \\ \hline -200 & to & 300^\circ \mathbb{C} & 220\Omega \\ \hline -200 & to & 300^\circ \mathbb{C} & 220\Omega \\ \hline -200 & to & 300^\circ \mathbb{C} & 220\Omega \\ \hline -200 & to & 300^\circ \mathbb{C} & 220\Omega \\ \hline -200 & to & 300^\circ \mathbb{C} & 220\Omega \\ \hline -200 & to & 649^\circ \mathbb{C} & 340\Omega \\ \hline 0.1^{\circ} \mathbb{C} \\ \hline 0.$							
$ \begin{array}{ c c c c c c } \hline Platinel II & \hline 0 & to & 350^\circ C & \pm 13.8 mV \\ \hline 0 & to & 650^\circ C & \pm 27.6 mV \\ \hline 0 & to & 1390^\circ C & \pm 69.0 mV \\ \hline 0 & to & 1390^\circ C & \pm 69.0 mV \\ \hline \hline 0 & to & 1380^\circ C & \pm 13.8 mV \\ \hline PlRh40-PtRh20 & 0 & to & 1880^\circ C & \pm 13.8 mV \\ \hline Au/Pt & 0 & to & 1000^\circ C & \pm 27.6 mV \\ \hline Au/Pt & 0 & to & 1000^\circ C & \pm 27.6 mV \\ \hline -140 & to & 150^\circ C & 160\Omega \\ \hline -200 & to & 300^\circ C & 220\Omega \\ \hline -200 & to & 649^\circ C & 340\Omega \\ \hline -200 & to & 300^\circ C & 220\Omega \\ \hline -200 & to & 300^\circ C & 220\Omega \\ \hline -200 & to & 300^\circ C & 220\Omega \\ \hline -200 & to & 300^\circ C & 220\Omega \\ \hline -200 & to & 649^\circ C & 340\Omega \\ \hline 0.1^{\circ C} \\ \hline $		NiMo-Ni					0.1°C
$ \begin{array}{ c c c c c c } \hline Platinel II & \hline 0 & to & 650^\circ C & \pm 27.6 mV \\ \hline 0 & to & 1390^\circ C & \pm 69.0 mV \\ \hline \end{tabular}{lllllllllllllllllllllllllllllllllll$			0 to	1310°C	±69.0mV		1 °C
$ \begin{array}{ c c c c c } \hline \begin{tabular}{ c c c c c } \hline \begin{tabular}{ c c c c c c } \hline \begin{tabular}{ c c c c c c } \hline \begin{tabular}{ c c c c c c } \hline \begin{tabular}{ c c c c c c c } \hline \begin{tabular}{ c c c c c c c } \hline \begin{tabular}{ c c c c c c c c c c c c c c c c c c c$			0 to	350°C	±13.8mV		0.1°C
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$ \begin{array}{ c c c c c c } \hline CR-AuFe & 0 & to & 280 \ K & \pm 6.9mV \\ \hline Au/Pt & 0 & to & 1000^\circ C & \pm 27.6mV \\ \hline Au/Pt & 0 & to & 150^\circ C & 160\Omega \\ \hline -200 & to & 300^\circ C & 220\Omega \\ \hline -200 & to & 649^\circ C & 340\Omega \\ \hline -200 & to & 850^\circ C & 400\Omega \\ \hline -200 & to & 300^\circ C & 220\Omega \\ \hline -200 & to & 300^\circ C & 220\Omega \\ \hline -200 & to & 300^\circ C & 220\Omega \\ \hline -200 & to & 300^\circ C & 220\Omega \\ \hline -200 & to & 300^\circ C & 220\Omega \\ \hline -200 & to & 300^\circ C & 220\Omega \\ \hline -200 & to & 300^\circ C & 220\Omega \\ \hline -200 & to & 300^\circ C & 220\Omega \\ \hline -200 & to & 300^\circ C & 220\Omega \\ \hline -200 & to & 300^\circ C & 220\Omega \\ \hline -200 & to & 300^\circ C & 220\Omega \\ \hline -200 & to & 649^\circ C & 340\Omega \\ \hline 0.1^{\circ}C \\ $			0 to	1390°C	±69.0mV		1 °C
$ \begin{array}{ c c c c c c } \hline CR-AuFe & 0 & to & 280 \ K & \pm 6.9mV \\ \hline Au/Pt & 0 & to & 1000^\circ C & \pm 27.6mV \\ \hline Au/Pt & 0 & to & 1000^\circ C & \pm 27.6mV \\ \hline & -140 & to & 150^\circ C & 160\Omega \\ \hline & -200 & to & 300^\circ C & 220\Omega \\ \hline & -200 & to & 649^\circ C & 340\Omega \\ \hline & -200 & to & 550^\circ C & 400\Omega \\ \hline & -200 & to & 550^\circ C & 400\Omega \\ \hline & -200 & to & 300^\circ C & 220\Omega \\ \hline & -140 & to & 150^\circ C & 160\Omega \\ \hline & -200 & to & 649^\circ C & 340\Omega \\ \hline & -200 & to & 649^\circ C & 340\Omega \\ \hline & -200 & to & 300^\circ C & 220\Omega \\ \hline & -200 & to & 300^\circ C & 220\Omega \\ \hline & -200 & to & 649^\circ C & 340\Omega \\ \hline & -140 & to & 150^\circ C & 160\Omega \\ \hline & -200 & to & 649^\circ C & 340\Omega \\ \hline & -200 & to & 649^\circ C & 340\Omega \\ \hline & -200 & to & 649^\circ C & 340\Omega \\ \hline & -200 & to & 649^\circ C & 220\Omega \\ \hline & Pt50 & -200 & to & 649^\circ C & 220\Omega \\ \hline & Pt-Co & 4 & to & 374K & 220\Omega \\ \hline \end{array} \begin{array}{c} \pm 0.15\% \\ \pm 10.15\% \\ 0.1\% \\ \hline \end{array}$		PtRh40-PtRh20	0 to	1880°C	±13.8mV	0.20/	1 °C
$ \begin{array}{ c c c c c c } \hline Au/Pt & 0 & to & 1000^\circ C & \pm 27.6mV \\ \hline & 0 & to & 1000^\circ C & \pm 27.6mV \\ \hline & -140 & to & 150^\circ C & 160\Omega \\ \hline & -200 & to & 649^\circ C & 340\Omega \\ \hline & -200 & to & 649^\circ C & 340\Omega \\ \hline & -200 & to & 300^\circ C & 220\Omega \\ \hline & -200 & to & 300^\circ C & 220\Omega \\ \hline & -140 & to & 150^\circ C & 160\Omega \\ \hline & -200 & to & 300^\circ C & 220\Omega \\ \hline & -200 & to & 649^\circ C & 340\Omega \\ \hline & -200 & to & 300^\circ C & 220\Omega \\ \hline & -200 & to & 300^\circ C & 220\Omega \\ \hline & -200 & to & 300^\circ C & 220\Omega \\ \hline & -200 & to & 300^\circ C & 220\Omega \\ \hline & -200 & to & 300^\circ C & 220\Omega \\ \hline & -200 & to & 649^\circ C & 340\Omega \\ \hline & 0.1^{\circ}C \\ \hline &$		CR-AuFe			±6.9mV		0.1 K
$ {fl} {Pt100} = \begin{array}{ c c c c c } \hline -140 & to & 150^\circ C & 160\Omega \\ -200 & to & 300^\circ C & 220\Omega \\ -200 & to & 649^\circ C & 340\Omega \\ -200 & to & 850^\circ C & 400\Omega \\ -200 & to & 850^\circ C & 400\Omega \\ -200 & to & 300^\circ C & 220\Omega \\ -140 & to & 150^\circ C & 160\Omega \\ -200 & to & 300^\circ C & 220\Omega \\ -200 & to & 649^\circ C & 340\Omega \\ -200 & to & 300^\circ C & 220\Omega \\ -200 & to & 300^\circ C & 220\Omega \\ -200 & to & 300^\circ C & 220\Omega \\ -200 & to & 649^\circ C & 340\Omega \\ -200 & to & 649^\circ C & 340\Omega \\ -200 & to & 649^\circ C & 340\Omega \\ -200 & to & 649^\circ C & 220\Omega \\ \hline 0.1^{\circ} C \\ 0.1^{\circ} C$						±ruigit	0.1°C
$ {Pt100} \begin{array}{ c c c c c } \hline -200 & to & 300^\circ C & 220\Omega \\ \hline -200 & to & 649^\circ C & 340\Omega \\ \hline -200 & to & 850^\circ C & 400\Omega \\ \hline -200 & to & 850^\circ C & 400\Omega \\ \hline -200 & to & 300^\circ C & 220\Omega \\ \hline -200 & to & 649^\circ C & 340\Omega \\ \hline -200 & to & 649^\circ C & 340\Omega \\ \hline -200 & to & 500^\circ C & 220\Omega \\ \hline -200 & to & 300^\circ C & 220\Omega \\ \hline -200 & to & 300^\circ C & 220\Omega \\ \hline -200 & to & 649^\circ C & 340\Omega \\ \hline -200 & to & 649^\circ C & 340\Omega \\ \hline -200 & to & 649^\circ C & 340\Omega \\ \hline 0.1^{\circ C} \\ \hline 0.1^{$							0.1°C
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Pt50 -200 to 649°C 220Ω 0.1°C   Pt-Co 4 to 374K 220Ω ±0.15% ±1digit 0.1 H		JPt100					
Pt-Co 4 to 374K 220Ω ±0.15% ±1digit 0.1 k	-	DIEO					
Pt-Co 4 to 374K 22002 ±1digit 0.1 F		P150	-200 to	649°C	220Ω	0 ( = 0 (	U.1°C
		Pt-Co	4 to	374K	220Ω		0.1 K
						-	

MEASURING RANGES/ACCURACY RATING/DISPLAY RESOLUTION

Note: The accuracy ratings are converted into the measuring range under reference condition. Thermocouple input does not contain reference junction compensation

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, PlatineIII, 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





Specifications subject to change without notice.