Electronic self-balancing recorder

ISO 9001
KEMA
CERT. No.60033
DUTCH COUNCIL FOR ACCREDITATION

QUALITY SYSTEM
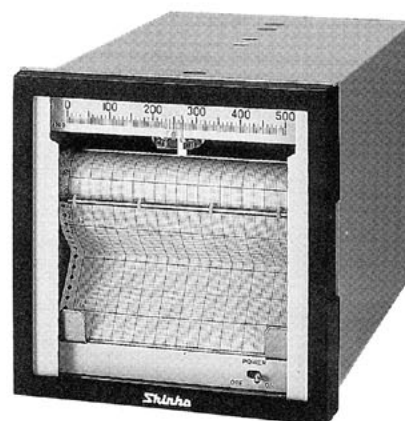ISO9001 Certified
J Q A - 2 0 5 5

SR-200 series

■ Features

· Simple structure and low malfunction.

· Accurately linearizes the scale.

· Multi-point version utilizes highly reliable input switch.

■ Model name

S R－2 0□－□,□□□		S R－2 0 0 series
Measuring point	1	1 point (Pen writing type)
	2	2 point (Pen writing type)
	6	6 point (Dot printing type)
Input	E	Thermocouple: K, R, J, T (Type to be specified)
	R	RTD: Pt100, JPt100 (Type to be specified)
	A	Current: 4 to 20mAdc
	V	Voltage: 0 to 10mVdc, 0 to 1Vdc
Options	L H	High and Low limit alarm actions
	C S□	Chart speed
	H D	Hand strap for portable type

When ordering, fill the blank □ from the type listed above.
For option, enter the type after comma(,).

■ Rated scale

Thermocouple				RTD	Current, Voltage
K	J	T	R	Pt100	4 to 20mAdc, 0 to 10mVdc, 0 to 1Vdc
0 to 200℃ (2℃)	0 to 200℃ (2℃)	0 to 200℃ (2℃)	0 to 1600℃ (20℃)	−50 to 50℃ (1℃)	−50 to 50℃ (1℃)
0 to 300℃ (5℃)	0 to 300℃ (5℃)	0 to 300℃ (5℃)		0 to 50℃ (0.5℃)	0 to 50℃ (0.5℃)
0 to 400℃ (5℃)	0 to 400℃ (5℃)	0 to 400℃ (5℃)		0 to 100℃ (1℃)	0 to 100℃ (1℃)
0 to 500℃ (5℃)	0 to 500℃ (5℃)			0 to 150℃ (2℃)	0 to 150℃ (2℃)
0 to 600℃ (10℃)	0 to 600℃ (10℃)			0 to 200℃ (2℃)	0 to 200℃ (2℃)
0 to 800℃ (10℃)				0 to 300℃ (5℃)	0 to 300℃ (5℃)
0 to 1000℃ (10℃)					0 to 400℃ (5℃)
0 to 1200℃ (20℃)					0 to 500℃ (5℃)
					0 to 600℃ (10℃)
					0 to 800℃ (10℃)
					0 to 1000℃ (10℃)
					0 to 1200℃ (20℃)

( ): Temperature for 1 scale

■ Standard specifications

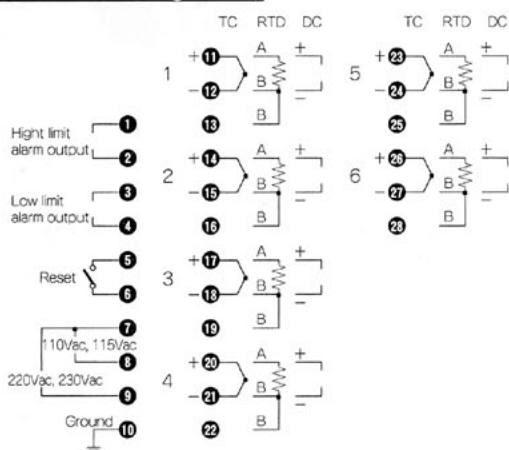| Measuring point	1 point (SR-201), 2 point (SR-202), 6 point (SR-206)
Input	· Thermocouple: K, R, J, T (External resistance: 100Ω or less) · Current: 4 to 20mAdc · RTD : Pt100, JPt100 3-wire system · Voltage: 0 to 10mVdc, 0 to 1Vdc
Indicating/recording structure	Indicator : Self-balancing type Scale length: 100mm
Indicating/recording performance	Accuracy : Within ±0.5%FS Sensitivity : ±0.1%FS Balancing time : Within 1.6sec Indicating range: See rated scale
Recording method	SR-201, SR-202: Pen writing type, SR-206: Dot printing type
Ink color	SR-201: 1 (Red) SR-202: 1 (Red), 2 (Blue) SR-206: 1 (Purple), 2 (Red), 3 (Green), 4 (Indigo), 5 (Brown), 6 (Black)

Shinko

■ Standard specifications

Printing interval	SR-206 : 50Hz: printing interval per dot is 5sec 60Hz: printing interval per dot is 4.2sec
Chart speed	25, 50, 100mm／h (gear ratio changing method)
Chart paper	Self-folding strip chart Effective width: 100mm, Full width: 113mm, Weight: 162g／box Full length: 10m (25mm／h: approx. 16 days, 50mm／h: approx. 8 days, 100mm／h: approx. 4 days)
Supply voltage	Type is selectable ・110／220Vac 50／60Hz (Frequency is selectable by gear change) ・115／230Vac 50／60Hz (Frequency is selectable by gear change) Allowable voltage fluctuation: Within ±10% of supply voltage

Power consumption	SR-201: Approx. 8VA SR-202: Approx. 14VA SR-206: Approx. 11VA	Insulation resistance	10MΩ or greater at 500Vdc
		Dielectric strength	500Vac for 1 min between input terminal and ground terminal 1.5kVac for 1 min between power terminal and ground terminal 1.5kVac for 1 min between alarm terminal and ground terminal
Ambient temperature	0 to 50℃		
Ambient humidity	35 to 85%RH	Material・Color	Front frame: Resin Color: Black Case : Steel board Color: Gray (Munsell N7.0)
Mounting method	Flush or portable type		
Weight	SR-201: Approx. 3.6kg, SR-202: Approx. 4.8kg, SR-206: Approx. 4.5kg		

■ Options

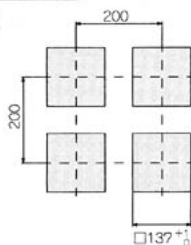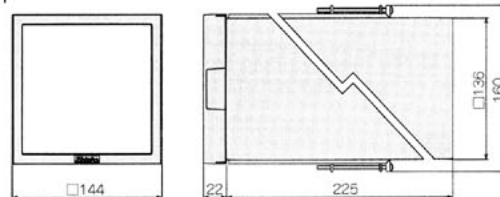|	
Alarm action [L H]	Action : High and Low limit alarm actions Setting : 1 input (However, for SR-202 type, setting only to the input No1, for SR-206 type, high and low limit setting common to every input.) Setting range : 0～100% Setting accuracy: Within ±2%FS Output : Relay contact 1a×2, 220Vac 2A (resistive), 220Vac 0.8A (inductive load cosφ=0.4) Type SR-206 is provided with self-holding circuit.
Chart speed [C S□]	Chart speed is to be specified when ordering from; ・CS 25M: 25 , 50, 100mm／min (Applicable to SR-201, SR-202) ・CS12.5H: 12.5, 25, 50mm／h ・CS 50H: 50 , 100, 200mm／h ・CS 100H: 100 , 200, 400mm／h ・CS 300H: 300 , 600, 1200mm／h
Hand strap for portable type [H D]	Easy to carry when this option is applied.

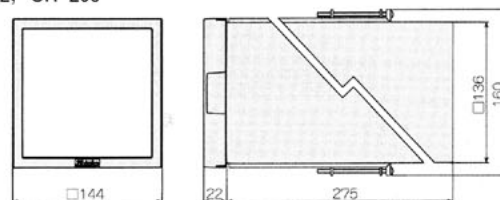## ■ Terminal arrangement

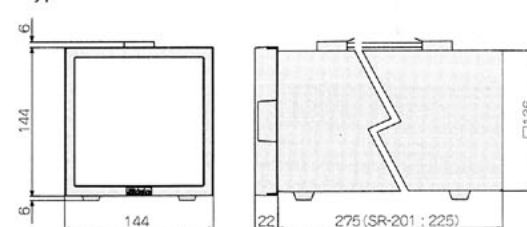## ■ Panel cutout drawing

■ External dimension drawing

SR-201

SR-202, SR-206

Portable type

・This catalog is as of October 2000, specifications subject to change without notice.
・When inquiring, please contact your shop where purchased or our agency.

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