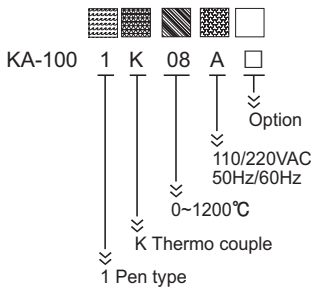


KA-100 recorder is a panel mount type of electric self-balancing recorder with 100mm width of DIN size, being compact, light-weighted and easy to handle.

### Ordering Codes

MODEL	CODE	KA-100	
Type	1	1 Pen	
	2	2 Pen	
	3	3 Pen	
Current	A	4~20mA DC	
	F	0~20mA DC	
Voltage	G	0~10mV	
	H	0~100mV	
	I	0~1V	
	L	0~5V	
	M	1~5V	
Input	Range	R	01:0~1400 02:0~1600 08:800~1600
		S	01:0~1400 02:0~1600
	B	11:500~1800 12:600~1800	
	K	03:0~400 05:0~600 06:0~800 08:0~1200	
	E	01:0~150 02:0~300	
	J	03:0~200 06:0~400 09:0~800	
	T	02:0~200 03:0~300 15:50~150	
	X	(WPe5~26) 05:0~2000 06:0~2300	
	P	(Pt100 Ω) 00:0~50 01:0~100 03:0~150 04:0~200 06:0~300 07:0~400 41:50~50 42:50~100	
	Z	Other	
	Power	A	110/220VAC, 50Hz/60Hz
		Z	Other
	Option	1	1Pen Hi/Low ALARM
2		2Pen Hi/Low ALARM	
3		3Pen Hi/Low ALARM	

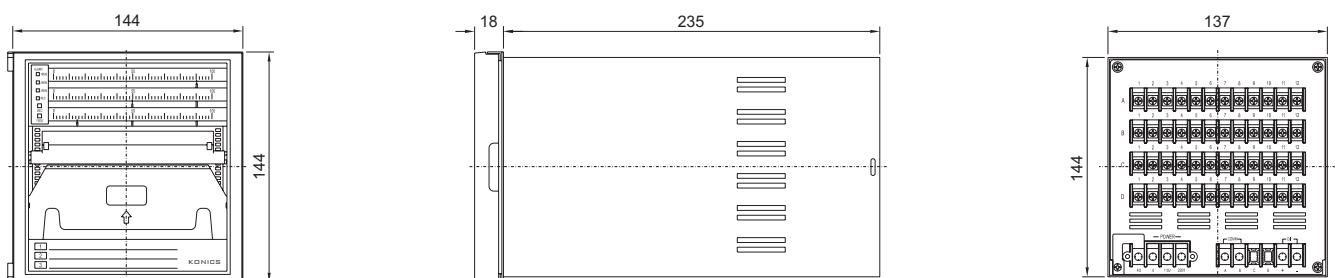
### Ordering codes EX)



### Specifications

- Recording type : Automatic balance type consecutive pen recording  
1, 2, 3 pen specification
- Standard input : Direct current ... 4~20mA, 0~20mA  
(Load resistance 250Ω)  
Direct voltage ... Over 10mV, within 10V  
Thermocouple ... R, S, B, K, E, J, T, Wre 5-26  
RTD ... PT 100Ω, within 0~50°C
- Total indication accuracy : Within ±0.5% F.S (23±2°C, 55±10%RH)
- Temperature / humidity drift : Within ±0.3% 10 deg · ±0.1% F.S
- Input resistance : Over 1MΩ
- Allowable signal source resistance : Direct voltage ... Under 10kΩ  
Thermocouple ... Under 10kΩ (No burn out)  
Under 200Ω (Burn out)  
RTD ... Under 10Ω per one line
- Removal rate of common mode : 140dB (CMRR)
- Removal rate of normal mode : 50dB(NMRR)
- Balance time : Within full scale 1 sec
- Recording paper : Valid recording width - 100mm  
Full length - 9M x 2, Folding pitch 40mm
- Recording source : 3 kinds of 1, 2, 3 pen
- Recording pen : 1pen-RED, 2pen-GREEN, 3pen-BLUE
- Recording paper transmitting speed : 10, 20, 40, 80, 160, 320, 640, 1280 mm/Hr
- Recording paper transmitting accuracy : Within 0.3%
- Power voltage : 110/220VAC, Within ±10%
- Power source frequency : 50/60Hz
- Consumption power : 1pen - Approx. 6VA, 2pen - Approx. 9VA,  
3pen - Approx. 15VA

### Dimensions

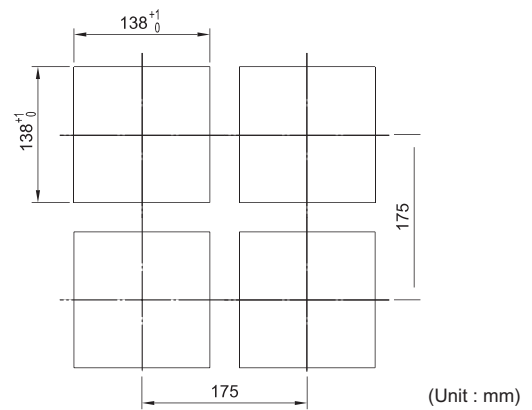


<b>A</b>	Recorders
<b>B</b>	Data Loggers
<b>C</b>	Indicators
<b>D</b>	Converters
<b>E</b>	Controllers
<b>F</b>	Thyristor Units
<b>G</b>	Transmitters
<b>H</b>	Temp. Sensors
<b>I</b>	Thermo Meters
<b>J</b>	Pressure Gauges
<b>K</b>	Others
	KR-50
	KR-100N
	<b>KA-100</b>
	VR-18

## Specifications

- Insulation resistance : Measuring terminal - Between grounding terminals over 250VDC 50M $\Omega$   
Power source terminal - Between grounding terminals over 500VDC 100 $\Omega$
- Static voltage : Measuring terminal - Between grounding terminals, AC 1kV for 1 minute  
Power source terminal - Between grounding terminals, AC 1500V for 1 minute
- Used temperature / humidity : 0~50 $^{\circ}$ C, 35~85% RH
- Storage temperature / humidity : -30~70 $^{\circ}$ C, 30~90% RH
- External dimension : 144(W) X 144(H) X 235(D)mm
- Weight : 1pen - Approx. 3.0kg, 2pen - Approx. 3.3kg, Approx. 3.8kg
- Mounting method : Panel mounting type (Panel cut : 138 X 138mm)
- ALARM (Option) : ① 1, 2, 3 pen : Each Hi/Low  
② Setting accuracy : Max.  $\pm 0.5\%$   
③ Contacting point capacity : 1A / 110VAC  
(Resistance load)

## Panel Cutout



## Options

- **ALARM :**
  - 1, 2, 3 Pen ..... Each Hi/Low
  - Setting accuracy ... 60.5% Max
  - Contacting point Capacity :  
AC 110V 1A(Resistance load)
- **Transducer interior design**
  - AC - Voltage Input :
    1. 0~150V
    2. 0~300V
  - AC-Current Input :
    1. 0~1A AC
    2. 0~5A AC
  - Frequency Input :
    1. 45~55Hz
    2. 55~65Hz
    3. 45~65Hz
- **NOTE :** (1, 2 pen are able to input specification separately. In case of TRANSDUCER Interior design, it is not able to manufacture of 3pen)

100mm Analog Recorder  
**KONICS**