

WGA-200A Series

- Moderate price
- Multi-functional

Instrumentation Amplifier



Note: Incompatible with TEDS-installed transducers.

Moderate price Suitable to be used in industrial equipment

- Multi-functional and versatile
- Voltage output, current output, and remote-sensing are standard features.
- Compact, robust, dustproof and drip proof

WGA-200A series signal amplifier is combined with strain-gage transducers and suitable to measure load, pressure, torque and displacement. It is compact, lightweight with high performance and moderate price. Suitable for industrial equipment.

Specifications

Channels	1
Applicable Transducers	350 Ω strain-gage transducers (Up to 4 transducers with 350 bridge resistance connected in parallel)
Bridge Excitation	10, 4, 2 VDC (select one) Remote sensing possible
Initial Adjustment	ZERO ±1.5 mV/V 18-turn trimmer (Tare weight compensation) FINE Sensitivity SPAN 1/1 to 1/100 18-turn trimmer
Adjustment Monitor	Use the monitor in the front of the panel
Rated Output	Voltage ±10 V (At C=1 mV/V and E=10 VDC) Isolation output (-5 V to 10 V) Current 4 to 20 mA (Corresponding voltage output 0 to 10 V)
Calibration	0.25, 0.5, 1, 1.5, 2 mV/V (Select one)
Frequency Response	DC to 1, 10, 30, 100, 200, 500 Hz (Select one)
Operating Temperature	-10 to 50°C
Operating Humidity	85% or less (Non-condensing)
Power Supply	100 VAC or 200 VAC (Select one)
Dimensions	60×150×250 mm (Excluding protrusions)
Weight	Approx. 1.5 kg

Optional Accessories AC power cable P-23 (For 100 VAC), P-28 (For 200 VAC)

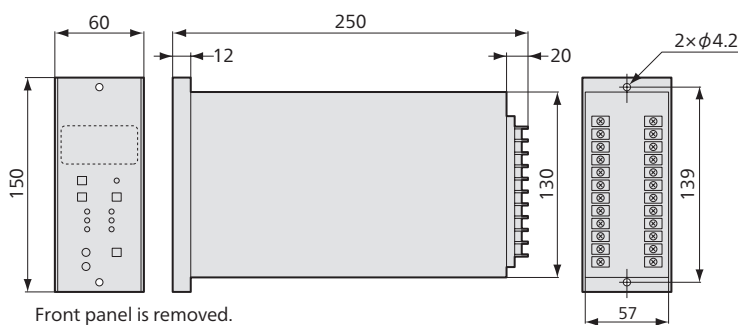
See the item selection table to choose the desired functions
Note: The above spec. is when Bridge Excitation = 10 V.
Rated output is proportional to the bridge excitation

Models

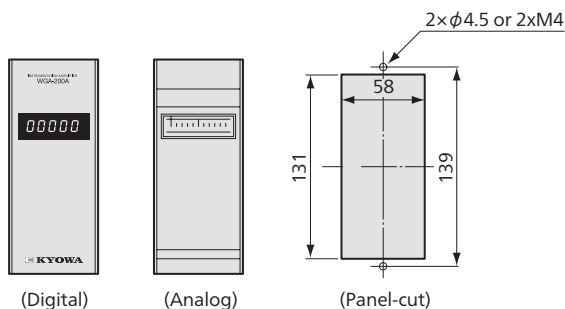
Power Supply	Calibration	Frequency Response	Voltage Output	Current Output	Comparator*	Monitor	Bridge Excitation	Additional Functions	Content Code
S	C	F	V	A	L	M	E	T	
	0.25 mV/V	DC to 1 Hz			None	None	10 VDC	None	0
100 to 120 V	0.5 mV/V	DC to 10 Hz	Non-isolated	Non-isolated	1-step model B			Auto zero balancing	1
	1 mV/V	DC to 30 Hz	Isolated	Isolated	2-step model B	Analog 50×18	2 VDC	Peak hold	2
220 to 240 V	1.5 mV/V	DC to 100 Hz			3-step model B				3
	2 mV/V	DC to 200 Hz			1-step model M		4 VDC	Auto zero balancing Peak hold	4
		DC to 500 Hz			2-step model M	Digital (10000)			5
					3-step model M				6

Note: Please add number specified in the above table to the end of the product model according to SCFVALMET sequence in your order.
For example: WGA-200A-121112000
The combination V and A = 2 is not applicable.
When V = 2, T may not be 2 or 4.
When A = 2, T may not be 2 or 4.

■ Dimensions, panel-cut dimensions



Front panel is removed.



(Digital)

(Analog)

(Panel-cut)

500 VDC for 1 minute
Contact capacity of comparator
250 VAC 1A
50 VDC (Resistance load)

*After power-on, when model B is below the setting value, it is 「OFF」
After power-on, when model M is below the setting value, it is 「ON」