

Frequency Response	DC to 1 k Hz
Digital Zero Functions	Action input: By panel key or external contact input
Adding Functions	Setting range: 0000 to ± 9999
Original Value Monitor	Accuracy: Within $\pm 0.1\%$ FS
Zero Tracking Functions	Zero is traced in changing quantities of $\pm 1, 2, 5$ counts each for delays of 20, 10 and 5 seconds, 9 ranges in total setting is made by panel keys
Digital Filter Functions	Moving averaging times is 4, 8, 16, 32, 48 or 64, switched by panel keys
TEDS	
Interfaces	Compatible with IEEE1451.4 Mixed Mode Transducer Interface Class2
Applicable Transducers	Should have the information according to IEEE Template No.33 Cable length should be 30 m or less (No remote sensing can be used together with TEDS)
Operating Temperature	-10 to 40°C
Operating Humidity	80% or less (Non-condensing)
Power Supply	100, 115, 200, 220 VAC (Select one), 20 VA or less, 11 to 30 VDC on request
Dimensions	72 W x 144 H x 188 D mm (Excluding protrusions)
Weight	Approx. 1.7 kg
Panel-cut Dimensions	136x68 mm

Specifications (Specify the desired one when ordering)

■ WGA-710C-1 with BCD Data Output

It enables WGA-710C-1 to output indicated values as BCD (binary coded decimal).

Output Mode	Isolated open collector output
Driving Capacity	30 VDC, 20 mA
Output Signals	4-digital BCD value, minus sign, OVER signal, print command (EOC); positive or negative logic selected by the switch.
Input Command	BCD hold, output disable, negative logic
Connector	57-40360 (DDK) or the equivalent

■ WGA-710C-2 with EIA-232-D (RS-232C)

EIA-232-D (RS-232C) enables this model to transmit indicated data and status signals and write preset high/low limit values to external equipment without digitizing.

Signal System	RS-232C full duplex system
Transmission Mode	Asynchronous
Baud Rate	4800 bps
Bit Structure	7 data bits, 1 stop bit Odd parity bit
Connector	17-13250-27 (DDK) or the equivalent

■ WGA-710C-3 with Analog Amplifier

This model is designed to amplify and output the analog signal of a transducer to external equipment without digitizing.

Measuring Range	± 3.2 mV/V
Zero Adjustment Range	± 2.5 mV/V
Sensitivity Adjustment Range	0.5 to 3.0 mV/V is adjusted to 10 V
Calibration	1 mV/V $\pm 0.1\%$
Voltage Output	± 10 V (Load resistance 2 k Ω or more) Nonlinearity: Within $\pm 0.03\%$ FS
Current Output	4 to 20 mA (Load resistance 350 Ω or less) (Corresponding to voltage output of 0 to 10 V) Nonlinearity: Within $\pm 0.1\%$ FS
Frequency Response	DC to 1 kHz

■ WGA-710C-4 with D/A Converter

This model can output an analog signal with the digital indication. Digital zeroing, hold and smoothing functions are provided.

Output Analog Signal Level	+10 V, 20 mA for the full scale setting on the case
Zero Adjustment Range	Within $\pm 10\%$ FS
Sensitivity Adjustment Range	Within $\pm 10\%$ FS
Nonlinearity	Within $\pm 0.1\%$ FS
Frequency Response	Depends on the sampling cycle (Approx. 15 times/s)
Withstand Voltage	500 VAC for one minute with the case
Voltage Output	0 to 10 V (Load resistance 2 k Ω or more)
Current Output	4 to 20 mA (Load resistance 350 Ω or less) (Corresponding to voltage output of 0 to 10 V)

■ WGA-710C-5 with Isolation Analog Amplifier

This model is designed to amplify and output the analog signal of a transducer to external equipment without digitizing.

Measuring Range	± 3.2 mV/V
Zero Adjustment	± 2.5 mV/V
Sensitivity Adjustment	1.0 to 3.0 mV/V is adjusted to 10 V
Calibration	1 mV/V $\pm 0.1\%$
Withstand Voltage	500 VAC for one minute with the case
Voltage Output	± 10 V (Load resistance 2 k Ω or more) Nonlinearity: Within $\pm 0.05\%$ FS
Current Output	4 to 20 mA (Load resistance 350 Ω or less) (Corresponding to voltage output of 0 to 10 V) Nonlinearity: Within $\pm 0.1\%$ FS
Frequency Response	DC to 1 kHz

■ WGA-710C-6 with 8-step Comparator

This model provides 4 sets of high/low limits for comparison.

The high/low limit relay (transformer contact) outputs the result of 1 set of high/low limits compared.

Comparison Points	8 (4 each high/low limits)
Setting Methods	Select from external contact input and set by the panel keys.

Setting Range 0 to ± 9999

Output Modes Isolated open collector

Drive Capacity 30 VDC, 20 mA

Note: The relay contact output of the mainframe is selected from external contact input.

■ WGA-710C-12 with BCD Data Output and EIA-232-D (RS-232C)

This model enables simultaneous use of BCD data output and RS-232C.

■ WGA-710C-14 with BCD Data Output and D/A Converter

This model enables simultaneous use of BCD data output and D/A converter.

Standard Accessories

AC power cable P-23 (For 100 VAC)
BCD output connector BCD-CONNE (57-30360 (DDK) or the equivalent; attached to WGA-710C-1, 12, 14 only)
Spare fuse, miniature screwdriver for terminal board connection, instruction manual, unit seal

Optional Accessories

AC power cable P-28 (For 200 VAC)
Connection cables between WGA-710C and NDIS4102 (7 pins) connector plug
4-conductor cables U-17 (50 cm), U-18 (1 m), U-19 (2 m), U-20 (5 m), bared at the tip
Sensor side: Terminated with a connector plug P12-7 (PRC03-12A10-7M10.5)
6-conductor cables U-25 (50 cm), U-26 (1 m), U-27 (2 m), U-28 (5 m), bared at the tip
Sensor side: Terminated with a connector plug P12-7 (PRC03-12A10-7M10.5)

■ Dimensions, panel-cut dimensions

