Model HPHPDI Series

96x96mm Size

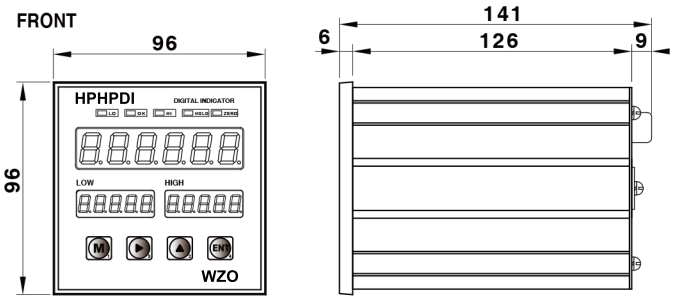
High Precision,High Speed Digital Indicator

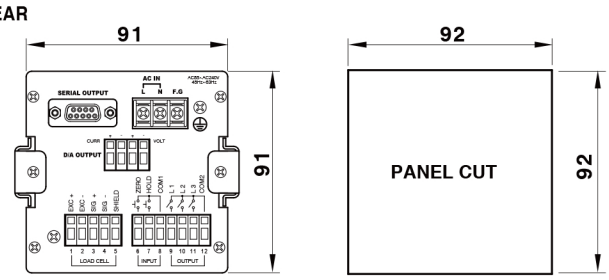
For:

- High speed weighing applications
- Force, pressure & torque measurements

Features:

- 24 Bit Sigma-Delta A/D converter for high accuracy
- High-speed A/D and D/A conversion at 2000times/sec
- Simulative (mV/V memory) or live load calibration
- Digital linearization function
- Low/High limit display
- Low/OK/High Relay contact output
- Hold or peak hold function
- Serial command to set limit values (max. 32 ID)
- Sensor output check function
- Isolated analog output (Option 1, 2)
- Power source AC85~240V (Free voltage)





ORDERING INFORMATION

HPHPDI - 1 0

MODEL

Output

0 : (Standard)
Relay 3CH Output &
Serial Output (RS-232C & RS-422/485)

1 : DC 0~±10V Analog Output (Option)
2 : DC 4~20mA Analog Output (Option)
3 : BCD Parallel Output (Option)

Example) Option 1 : Relay 3CH + RS-232C + RS-422/485 + DC 0~±10V Output

Operating Voltage

1 : AC 85 ~ 240V, 50/60Hz (Free Voltage)

SPECIFICATIONS

Analog signal input range		-34mV ~ +34mV
Non-linearity		0.01% F.S. max.
Max. display resolusion		1/20,000
Min. input sensitivity		0.2μV/Digit (min.)
Temperature drift		Zero : ±0.1μV/°C RTI max. SPAN : 10ppm/°C max.
Load cell excitation		DC 5V, 60mA (350 ohm x 4 load cells)
Input noise		±0.3μVpp or less
Input impedance		10MΩ or more
A/D internal resolusion		24 bits
A/D sampling speed		2,000 times/sec
Display	Measurement	LED, 7 segments 14.1mm high 6 digit
	High/Low	LED, 7 segments 8.0mm high 5 digit
Maximum display		(-) 19999 ~ (+) 19999 (min. division: 1) (-) 199950 ~ (+)999950 (min. division: 50)
Display speed		1,000times/sec ~ 1times/sec
Polarity indication (-)		"−" Minus sign
Annunciators		LO, OK, HI, HOLD, ZERO
Display increments		1,2,5,10, 20, 50 selectable
Decimal points		Selectable to any points
Power source		AC 85 ~ 240V, 50/60Hz (Free voltage)
Power consumption		Approx. 20VA
Operating temperature		-10°C ~ 50°C
Output	Standard	0) Relay 3CH Output & Serial Output (RS-232C & RS-422/485)
	Options	1) DC 0~±10V Isolated Analog Output (User-changeable to DC 0~±5V) 2) DC 4~20mA Isolated Analog Output (User-changeable to DC 0~20mA) 3) BCD Parallel Output
Weight		Approx. 700g

* Specifications are subject to change without notice