



This is I.T. Co., Ltd.
1878 Moo 1 Soi Bearing 44 Sukhumvit 107 Rd.
T.Samrongnua A.Muang Samutprakarn Thailand 10270
Hot Line: 091-095-8123 Site: www.thisisit.co.th E-mail: sales@thisisit.co.th

DS-6200 – DIGITAL TRANSDUCER INDICATOR

Features

- Processing in high speed sampling of 0.5 ms (2000 times/second).
- 5-digit indication with both polarities (± 99999).
- Real time graphical indication of input signals by means of color liquid crystals.
- Capable of connecting in 4 parallel units of the 350 Ω Series load cells.
- Can match with all sorts of strain gage type sensors through excitation voltage switching.
- Standard specifications include top and bottom setting and various holding functions.
- High accuracy in non-linearity of 0.02% FS ± 1 digit.
- Addition of various optional features is possible.



Item	Description
Sensor applied voltage	DC10V/2.5V Output current: within 120mA 4-wire system Applied voltage digital adjustment
Sensor input range	-3.0 ~ +3.0 mV/V
Gain adjustment	Automatic adjustment through internal operation.
Equivalent calibration range	input Setting Range: 0.500 mV/V to 3.000 mV/V. Error: Within 0.1% FS.
Display	STN Color LCD (320 x 240 dots) ,Indicator value: ± 99999
Display unit	Weight: kg, g, t, Force: N, kN, Nm Pressure: N/m ² , Pa, kPa, MPa, bar * "No-unit" setting is also feasible
A/D converter	Speed: 2000 times/second 24 bit (binary)
Accuracy	Non-linearity: within 0.02%FS ± 1 digit (during 3.0 mV/V input); Zero drift: within 0.5 μ V/ $^{\circ}$ C RTI; Gain drift: 0.01%/ $^{\circ}$ C)
Analog filter	LPF (low-pass filter, -6dB/oct.) 30/100/300/1000 Hz digital adjustment
Analog monitor output	Output level: Approx. 2V per 1mV/V, input Load-resistance: 2K Ω or more



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Interface (built-in)	RS-232C communication interface [Synchronous, Full duplex, Transmitting speed: 9600~57600 bps] 2-wire type serial interface for dedicated printer and external display [Transmitting speed: 600 bps]
Wave profile holding	< Tracking & Sample Hold > Peak/Bottom/P-P/Mean---Range setting Max Peak Value,Min Peak Value,Point of inflection
External output signal	HI/LO comparison output (HH, HI, OK, LO, LL) / RUN output / hold end output / Event output after graph plotting Vce=30V (max),Ic=30mA (max)
External input signal	Work selection input / hold control input / digital zero input (DZ) / graph plotting control input / calibration selection input Ic=10mA or lower
Power supply voltage	AC100~240V (-15%/+10%) 50/60 Hz
Operating conditions	Temperature: -10 ~ +40°C; Humidity: 80% RH or lower (no condensation)
External dimension	99.5 (W) x 96 (H) x 138 (D) mm (not including protruding parts) Panel cut dimension 92 x 92 (+1-0) mm
Weight	About 1kg



Micro Sensor Technology

SHOWA MEASURING INSTRUMENTS INC.

Tokyo Japan