

F350 2 CHANNEL INPUT TYPE DIN96[□] SIZE DIGITAL INDICATOR



- 3000 times/sec high-speed processing (switchable to 300 times/sec)

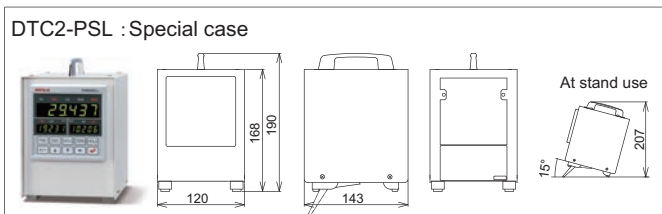
2ch inputs

Calculation and judgment outputs can be made for 2ch input values of strain gauge type sensors. Calculated value is displayed on the main display, and ch1 and ch2 input values are displayed on the sub display.

Calculation functions

ch1+ch2, ch1-ch2, | ch1-ch2 |, High select, Low select

- Hold function
F350 is equipped with hold functions to the calculated values (Sample, Peak, Bottom, Average).
- High / Low limit comparison function
The High/Low comparison function comes with hysteresis capability which prevents chattering and quickly generates an accurate comparison output.
- Equivalent input calibration function
Calibration can be carried out by only inputting the sensor's rated output without using the actual load.
- Analog monitor output
Voltage output proportionate to the input signal makes recording on recorder convenient., there are outputs for each channels.

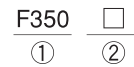


Specifications

ANALOG	Number of sensor inputs	2 inputs (strain gauge input)
	Excitation voltage	DC10V, 2.5V ±5% (depending on settings) Output current: within 60mA (2 channels total)
	Signal input range*	-3.0 to +3.0mV/V
	Accuracy**	Non-linearity: within 0.02%/FS ±1digit (at 3.0mV/V input) Zero drift: within 0.5μV/°CRTI Gain drift: within 0.01%/°C
	Analog filter**	Low pass filter(-6dB/oct.) Selectable from 3, 30, 300, 1k Hz
	A/D converter**	Speed...Selectable from 3000 times/sec and 300 times/sec Resolution... 24bit, Approx. 1/10000 for 1mV/V
	Analog monitor output**	Output level: Approx. 2V per 1mV/V strain gauge input Load resistance: 2KΩ or more
DISPLAY	Display unit	Main display: Character height 14.6mm Numerical display by 7-segment green LED(6-digit) Sub display: Character height 8mm Numerical display by 7-segment green LED(5-digit)
	Indicated value	Main display: 5-digit, ±8.8.8.8.8 -99999 to +99999 Signs: Minus sign on most significant digit Sub display: 5-digit, ±8.8.8.8.8 -19999 to +19999 Signs: Minus sign on most significant digit
	Display frequency	Selectable from 3, 6, 13 and 25 times/sec.
	Status display	HI/OK/LO/PEAK/HOLD/Hi(ch1)/LO(ch1)/HI(ch2)/LO(ch2)
	HOLD	Sample, Peak, Bottom, Average Hold section setting (All section-External signal-External signal + Time)
EXTERNAL SIGNAL	External output signal(11)	HI/LO limit comparison (HI (cal.) ·OK (cal.) ·LO (cal.) ·HI (ch1) ·LO (ch1) ·HI (ch2) ·LO (ch2)) / alarm (ch1) / alarm (ch2) / hold complete / RUN
	Open collector output circuit (sink type)	Vceo=30V (max) Ic=30mA (max)
	External input signal(4)	hold section control / hold release / digital zero 1 / digital zero 2 Dry contact input circuit (minus common type) Ic=10mA or less
INTERFACE	SIF: 2-wire type serial interface	DAV: D/A converter voltage output (Option)
	BCO: BCD parallel data output interface (Option)	DAI: D/A converter current output (Option)
GENERAL SPECIFICATIONS	D3V: D/A converter voltage output(3ch) (Option)	232: RS-232C communication interface (Option)
	(Only one option can be installed)	
	Power supply voltage	AC100 to 240V +10% -15% (free power source 50/60Hz)
	Power consumption	6W typ.
	Operation condition	Operation temperature: -10 to +40°C Storage temperature: -40 to +80°C Humidity: 85%RH or less (non-condensing)
EXTERNAL DIMENSION	External dimension	96 (W) ×96 (H) ×138 (D) mm (not including protrusions)
	Weight	Approx. 1.0kg
ATTACHMENTS	AC input cord (Nominal rating 125V) 3m ×1	BCD output connector ×1
	AC input cord converter plug ×1	(when BCD output option is selected)
OPTIONAL ACCESSORIES	FCN series I/O connector (with cover) ×1	Operating tool ×1
	Ferrite core ×2	(when D/A converter(3ch) option is selected)
	Operation manual ×1	Mini driver ×1
		(when D/A converter option is selected)
	CA372-I/O: Cable with FCN connector at one-end 3m	
	CA325AC3P-B3: AC input cord 3m	
	CA325AC3P-CEE7/7-B2: AC input cord (Voltage resistance:250V)2m	
	CN3P-2P: 3P-2P converter plug for AC input cord	
	CN34: D-Sub9p connector for RS-232C	
	CN50: FCN series I/O connector (with cover)	
CN51: BCD output connector		
CN55: FCN series I/O connector (with diagonal cover)		
CN73: D/A converter(3ch) connector		
CN81: Analog I/O connector terminal		
DTC2-PSL: Special case		
GMP96x96: Rubber packing		
TSU01: DC Lightning surge unit		
CE MARKING	EMC Directive EN61326-1	
CERTIFICATION	Safety Standard EN61010-1 EN62311	

※As for each input, it is common.

Structure of product code



① Standard unit

② Interface

Sign	Interface
Standard	S/I/F

↓ One optional interface can be added in addition the standard interface.

232	RS-232C communication interface
BCO	BCD output(Sink type)
D3V	D/A converter(Voltage output)(3ch)
DAV	D/A converter(Voltage output)
DAI	D/A converter(Current output)

External dimension

