2 CHANNEL INPUT TYPE DIN96° SIZE DIGITAL INDICATOR

F350

Specifications

**ANALOG**
- Number of sensor inputs: 2 inputs (strain gauge input)
- Excitation voltage: DC10V ±3.0 to +3.0mV/V (depending on settings)
- Output current: within 60mA (2 channels total)
- Signal input range: -3.0mV to +3.0mV/V
- Sign (input calibration range): -3.0mV to +3.0mV/V
- Non-zero adjustment: Automatic adjustment by digital processing
- Non-linearity: ±0.02%F.S ±3dgt (at 3.0mV/V input)
- Gain drift: within 0.01%/°C
- Analog filter: Low pass filter (60Hz cut-off) Selectable from 3, 30, 300, 1kHz
- A/D converter: Selectable from 3000 times/sec and 300 times/sec
- Resolution…: 24bits (binary), Approx. 10/1000 for 1mV/V
- Analog monitor output: Output level: Approx. 2V per 1mV strain gauge input
- Load resistance: 2K or more

**DISPLAY**
- Main display: Character height 14.6mm
- Sub display: 5-digit, ±8.8.8.8.8
- Signs: - (Minus sign on most significant digit)
- Display frequency: Selectable from 3, 6, 13, and 25 times/sec.
- Status display: Hold complete / RUN

**HOLD**
- Hold section setting: (Hold section - External signal - External signal = Time)

**EXTERNAL**
- External output signal: 2-wire type serial interface
- Interface: BCD: BCD parallel data output interface (Option)
- D/A converter: D/A converter voltage output (Option)
- RS-232C: Communicating interface (free power source 50/60Hz)
- Communication: Communication speed: 300bps (parallel format)

**GENERAL**
- Power supply voltage: AC100 to 240V ±15% (power source 50/60Hz)
- Standby current: Approx. 1mA
- Power consumption: 8W typ.
- Operation condition: Temperature: -10°C to +40°C
- Humidity: 85% RH or less (non-condensing)
- Storage temperature: -40°C to +80°C
- Load resistance: 2KΩ
- Output current: within 60mA (2 channels total)
- Load resistance: 2KΩ more
- Output current: within 60mA (2 channels total)
- Load resistance: 2KΩ

**ATTACHMENTS**
- AC input cord: Nominal rating 125V 3m×1
- AC input cord converter plug: 1
- Option: when BCD output option is selected
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- Option: when BCD output option is selected
- Operation manual: 1

**OPTIONAL ACCESSORIES**
- Cable with FCN connector at one-end 3m
- BCD: BCD parallel data output interface (Option)
- D/A converter: D/A converter voltage output (Option)
- RS-232C: Communicating interface (free power source 50/60Hz)
- Communication: Communication speed: 300bps (parallel format)

**DE MARKING**
- Pollution degree: 2A for each input, it is common.

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

DTC2-PSL: Special case

[Diagram of calculation functions]

[Diagram of F350 front view]

[Diagram of F350 side view]