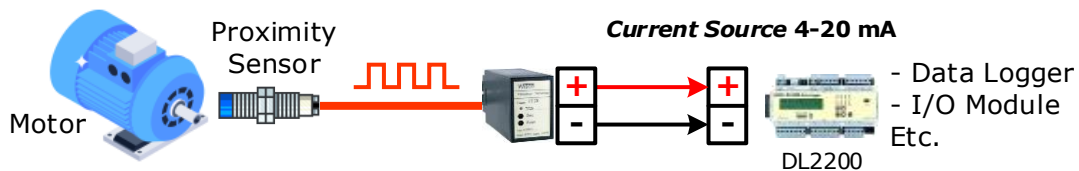


Frequency Transmitter FT20



- High accuracy
- Convert frequency to voltage or current to voltage or current
- Selectable input frequency
- Complete input – output isolation

Frequency Transmitter FT20 accepts pulse rate input from turbine meter, contact closures, proximity switch, magnetic shaft speed pickup and other frequency generating devices. Output is proportional to input frequency in standard current or voltage signal. Output ripple is less than 10 mv Peak-to-peak to meet requirements for direct input to a process computer.



Specifications

Frequency Input

Number of Channel: 1 Channel

Input type: Frequency (3 Wire D.C. proximity switch NPN or PNP)

Input range: 25 Hz, 50 Hz
100 Hz, 200 Hz, 400 Hz, 800 Hz
1.6 KHz, 3.2 KHz, 6.4 KHz, 12.8 KHz

Sensor Power Supply:

12 VDC @ 20 mA

Span: Adjustable $\pm 50\%$ of selected input frequency

Zero: Adjustable $\pm 10\%$ of selected input frequency

Analog Output

Number of Channel: 1 Channel

Output type: Current, Voltage

Output range:

Current (0 to 20, 4 to 20 mA)

Voltage (0 to 5, 1 to 5, 0 to 10 VDC)

Accuracy: $\pm 0.5\%$ of span

Isolation voltage: Input, output and power supply and isolated with no D.C. connections

Power Requirements

Power Supply: 110, 220 VAC (24 VDC Option)

Environmental Limits

Operating Temperature: 0 to 55 °C

Operating Humidity: 5 to 95% RH

Storage Temperature: 0 to 70 °C

Physical Characteristics

Dimension: W50 x H70 x D130 mm.

Mounting: Wall or DIN rail

Connection: Plug - in 11 pins socket

Warranty

Warranty Period: 5 Year

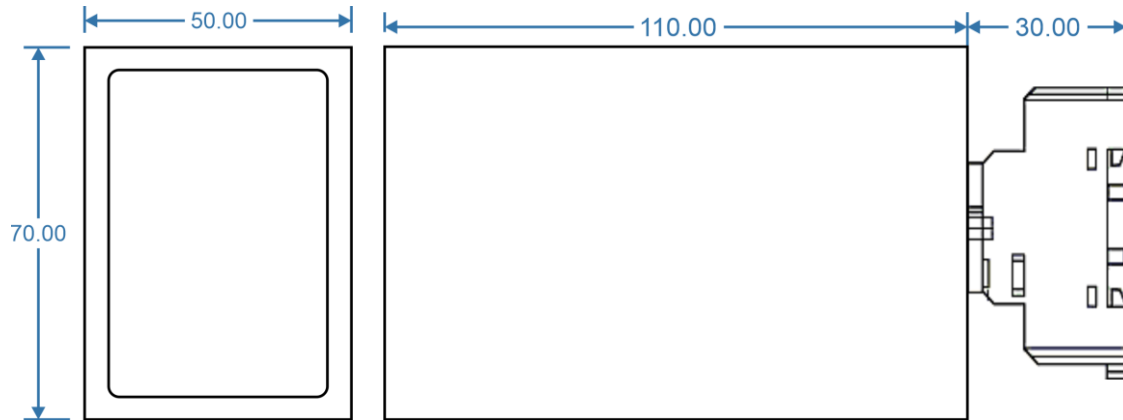
Ordering Information: Specify input frequency, output, power supply

Example FT20/0-200 Hz/4-20 mA/220 VAC

Package Checklist

1. FT20

Dimension (Unit: mm.)



Wiring

