

NEW MODEL

ONOSOKKI

FV Series

F/V Converter

FV-1400

HIGH-RESPONSE F/V CONVERTER

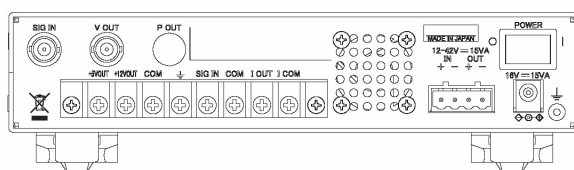
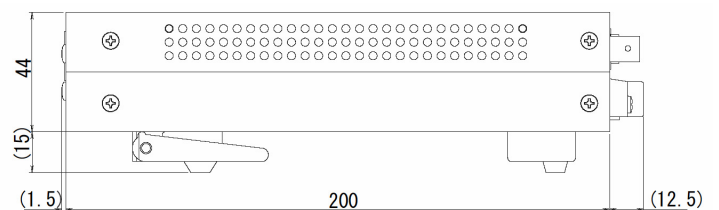
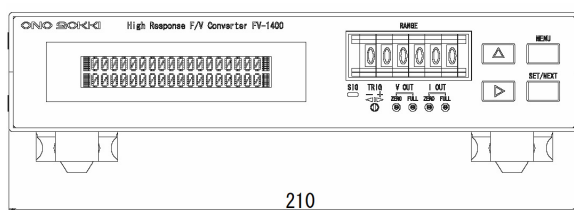
Frequency range up to 120kHz

● Features

- With a very high speed, available to convert frequency to voltage every one period of a signal.
- CAL signal output (ZERO/FULL).
- DC power input (12~42VDC) is convenient for in-vehicle use.
- Frequency/Rotation speed display is selectable.
- Easy to recognize measured value and setting menu, using a fluorescent character display tube.
- Digital switch makes it easy to set frequency/rotation speed.
- Possible to stack upward(Designed for vertical stacking).



● Outer Dimensions



Rear View

Ono Sokki Co., Ltd.

● FV-1400 Specifications

INPUT		SETTING	
Input method	AC/DC conversion (Option: Line-driver input)	Frequency/Rotation speed	Digital switch
Input voltage	AC: 0.3 to 30Vp-p DC: Lo ; + 1V or under, Hi ; + 4 to 30V	· Full-scale mode · Deviation output mode	Max. frequency / rotation speed
Input frequency range	1Hz to 120kHz		Central frequency (Central rotation speed) , Deviation output range ; ± 1, ± 5, ± 10, ± 20, ± 50%
Input terminal	BNC, Terminal		1 to 120,000 on a 1Hz or 1r/min basis
Isolation	Input / Output / Power	Input frequency range	1 to 3,600 P/R(for rotation speed measurement)
OUTPUT		FUNCTIONS	
Voltage output		Moving average	●Average number of times (2, 4, 8, 16 or 32) ●ON/OFF setting
· Full-scale	0 to 10V		+ 12V / 150mA
· Deviation	- 5 to + 5V		or + 5V / 150mA
· Linearity	± 0.1% / °C (F.S.)	POWER SUPPLY FOR	
· Resolution	16 bits	SENSOR	
· Temperature	± 0.02% / F.S. / °C	GENERAL SPECIFICATIONS	
· Response	1 period of input frequency: + 7.6 μs	Power supply	12 to 42VDC or Dedicated AC adaptor (100 to 240VAC)
Current output	0 to 16mA, or 4 to 20mA	Power consumption	Approx. 15VA
DISPLAY		Operating temp. range	0 to + 40°C
Display part	Fluorescent character display tube	Outer dimensions	210(w) x 44(H) x 200(D)mm
Display unit	Hz or r/min selectable	Weight	Approx. 1 kg
Display range	1Hz to 120,000 Hz or 1 to 120,000 r/min (Rotation speed confined to max. frequency)		

● Application (Example)

