
Hyper unicorder
Analog interface
IFA-1650

Specifications

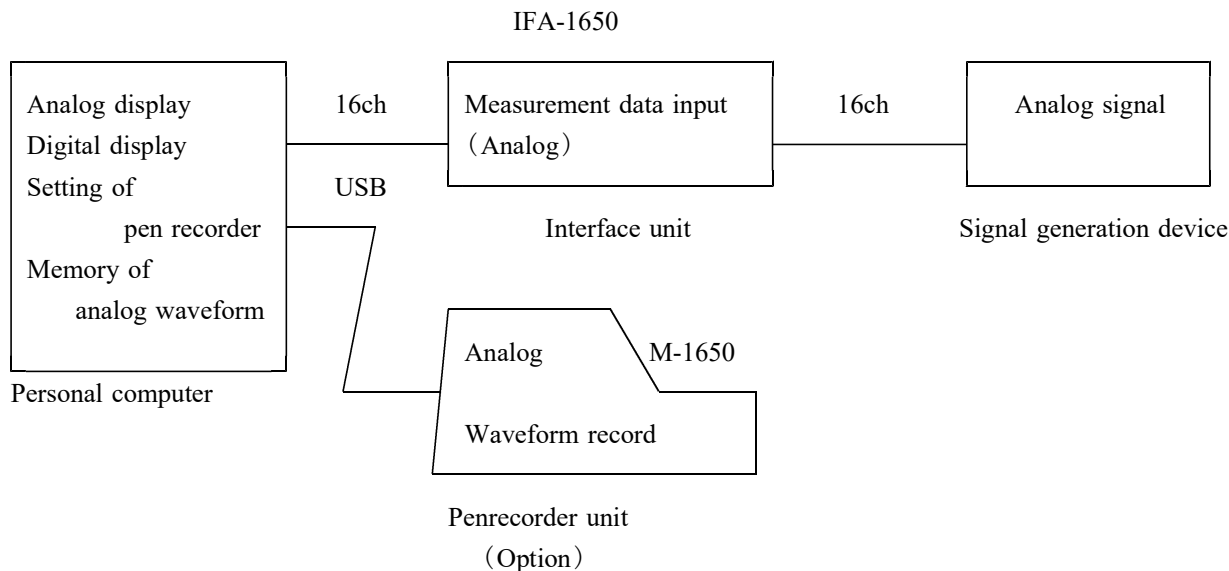
Specifications are subject to change without notice.

PANTOS CO. , LTD	Drawing number	Amendment
	1650-00-0001	

1 . Outline

The unit is mounted with an analog-voltage-input amplifier circuit, an A/D conversion circuit, and a USB communication circuit. The unit converts input signals of analog voltages and enters them into a personal computer. It is used in combination with P - 1650.

2 . Composition



3 . Main part specifications

Basic specifications

Name	:	Analog interface
Model	:	IFA-1650
Channel	:	4ch, 8ch, 12ch, 16ch

Analog input unit

Name	:	Direct current voltage unit
Model	:	IFA-1650
Applicable recorder	:	M-1650 (Option) MI-1650 (Option)
Channel	:	16ch
Input method	:	Non-balancing, Floating
Input resistance	:	1MΩ
Signal source resistance	:	Less than 1kΩ
Input kind	:	Voltage
Measuring range	:	1V, 2V, 5V, 10V, 20V
Zero point movement range	:	±100%
Measuring accuracy	:	± 0.1% / FS
Temp.-characteristics	:	Zero ± (0.01% (range)) / FS / °C Full scale ± (0.01% (range)) / FS / °C
Noise-proof characteristics	:	CMRR Morr than -150dB NMRR Morr than -50dB
Resolution	:	14bit

Sampling time	:	10ms
Withstanding voltage	:	AC500V between Analog input and Chassis (GND). (for 1 min.) AC500V Between analog each input. (for 1min.)
Insulation resistance	:	More than 100MΩ between Analog input and Chassis (GND). (500V DC megger)
Frequency characteristic	:	10Hz -3dB
Insulation	:	I , II , III , IV Isolation blocks (Withstand voltage AC500V) Analog I. block : 1 ch - 4 ch channel between non-isolated Analog II. block : 5 ch - 8 ch channel between non-isolated Analog III. block : 9 ch - 12 ch channel between non-isolated Analog IV. block : 13 ch - 16 ch channel between non-isolated
Memory part	:	Sampling rate 10ms (max) Record time Max 15 hours (16ch, Sampling rate 10ms)

Analog output unit

Output voltage	:	± 2V
Accuracy	:	±0.5% / FS
Output channel	:	16ch (Channel selection)
Output resistance	:	Less than 1Ω

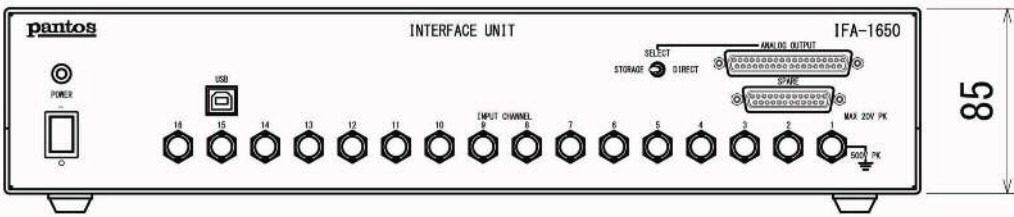
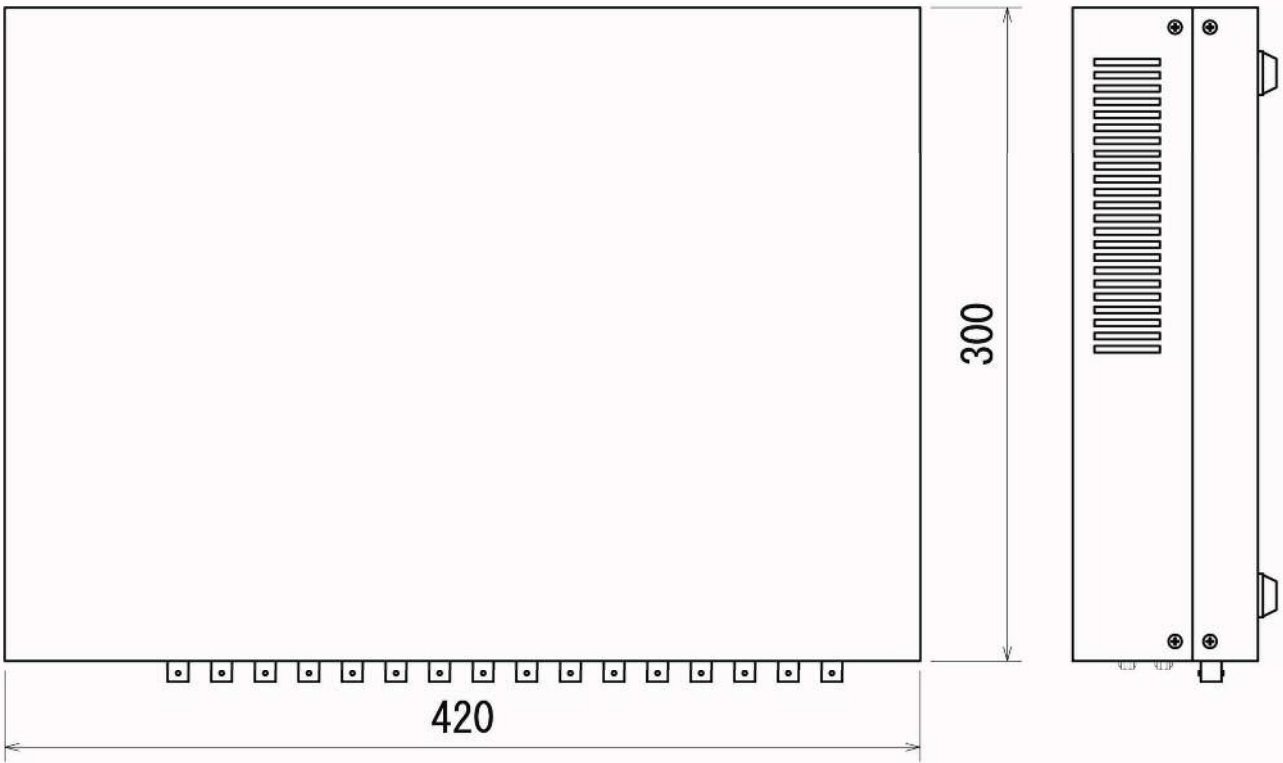
Specifications

Power supply	:	AC 85 to 265V 47 to 440Hz
Power consumption	:	Max 90w Typ.40W
Insulation resistance	:	More than 100MΩ between Power supply and Chassis (GND) (500VDC megger) More than 20MΩ between Control input/output and Chassis (GND) (250VDC megger)
Withstanding voltage	:	AC1500V between Power supply and chassis (GND) (for 1min.)
Environment	:	Temperature 5 to 45 °C Humidity 35 to 80 % RH
Preservation environment	:	Temperature -5 to 50 °C Humidity 35 to 80 % RH
Vibration	:	5 to 50 Hz Less than 0.1G
Shock	:	Not approve
External dimensions	:	420(W) × 85(H) × 300(D) mm (Projection things are not included)
Weight	:	Approx.5kg
Accessory	:	Power supply cable 1 Fuse 1A 2 Earth adaptor 1 Manual 1 Output cable 1 USB cable 1

EXTERNAL VIEW



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