Jr HM1616S series

A p l i c a t i o n

- weather observation
- seismological observation
- foundation observation
- nature of the soil test
- rock test
- environment test
- creep test
- material test
- scene measuring
- chemistry analysis
- automobile test
- almighty measuring device

Various sensor is able to connect

<Distortion gauge sensor>

Load cell. Displacement gauge
Pressure gauge. Diffrential pressure. Gap water pressure.
Thermometer. LDI.
Voltage output sensor. and etc.

<Counting sensor>

High accuracy displacement.
Magunet scale. and etc.

Phenomenon and move   It catches   *HM1616S series*

* Plural measuring data preservation, setting information possibility in Logger.
* Measurement in long time, an outside battery only by possibility.
* Distortion sensor correspondence A/D transformation device (16 bits, 100KHz)
* Highly efficient degree (± 0.05%),
* Program gain amplifiers (x1, x10, x100, x1000)
* Amp input: 8CH counter input: 6CH(1MHz)
* Displacement total Linner guage an example ± 30 mm,1/1000 mm)
* Correspondence possible displacement total Linner guage is a Peacock, Mitutoyo, Ono sottuki product
* Data accumulation memory capacity (1.75MB: NIcad battery backup)
* Sampling rate time (2 milliliter seconds 200 minutes) & the sampling by measuring data fluctuation
* The setting of none, the product arithmetic average number (1 1500) of the measurement possibility/
   impossible, early period value computation of the channel are produced.
* Measuring data continues it if it recovers even if, be preserved to the inside memory of HM1616
   and have a power failure.
* Mult Logger Jr independent use produced and advanced measuring produced even easy operation.
* Various kinds condition setting with   (belonging soft (serial I/F on Windows 95/98/Me/2000/XP))
* Various kinds condition setting, real time numerical value/chart wave-likes/X-Y displays, Excel files (CSV)
* Compact Height 93, Width 190, Length 220, light it is (about 1. Five kg), low power (standard 3W)
* It is OP soft equipment furthermore.
* High accuracy, low price. Both power supply correspondence of AC/DC.

Able to use the advanced cheap nature of the soil test analysis software of HMD with the file
transformation support. HM1616S (distortion input 8); HM1616SDx (distortion input 8+digital input 6);
―CF (add on 64M CF)

The contents that were entered to the attention: this book sometimes change it without notice for the product
improvement.

Inquiry

Data Logger/amplifier/sensor/soft/measuring system/test machine/besides

HAMAD Co., Ltd. Hamada electrical machinery

Home Page http://www.hmd-dk.jp
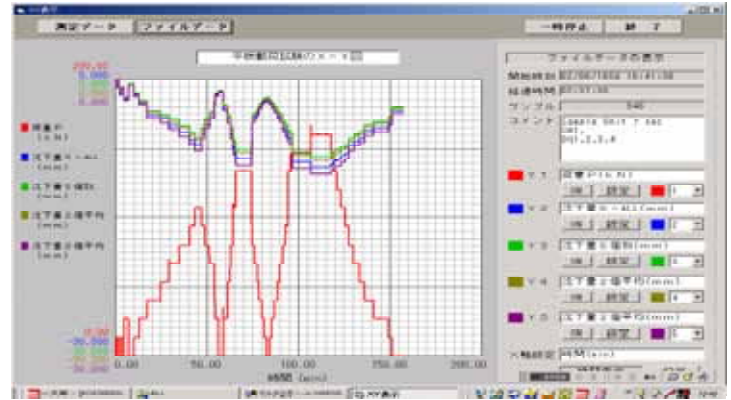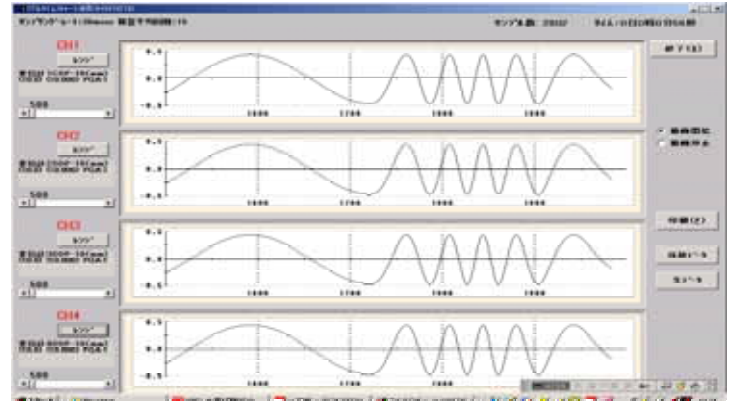
Address   203-0013 Tokyo Higashikurume-shi Shinkawa-cho 2-4-5 memory Manshon 1F

Real time numerical value display, free X-Y drawing figures and also chart of voltage/units

(Specification)

· distortion amplifier · A/D transformation			· counter input (option)	
Resolving power	16 bits (100KHz)		inside 32 bit (1MHz)	
Input channel	differential motion 8 channel		6 channel	
Input range	Bipolar	−5～+5 [V]±0.05%	A/B 2 phase	
Voltage protection	At the time of power supply on −32～+32 [V]			
	At the time of power supply off −35～+55 [V]			
Input impedance	10 [M Ω] over			
Input capacitor	50 [pF] below			
Input Leake current	±40 [nA] below			
Output voltage	DC 2V			
PGA	x1, x10, x100, x1000			
Data collection memory	1.75MB: battery backup/32 Data files/16 Seting files			
· sampling				
Interval timer	2～999 [msec] & data			
Real time clock	1～200 [sec]/1～200 [minute] & data			
· serial interface				
Rate	RS232 C (1 channel) forwarding speed (38400bps) data long (8 bits) stop bit (1 bit)			
· power supply				
Power supply voltage (+10V～+16V)	AC/DC adapter +12 [V] 250mA (MAX750mA)			
Consumption electric power	3[W]			
· temperature/humidity standard				
Operation	Temperature :+5 ～+40 ℃ humidity: 20 ～ 80% RH			
· weight				
Case size	About: Length=220 Width=190 High=93 [mm]			
Weight	1.5 [kg] AC/DC adapters it does not include it			

Model name	Outline specification	Price in Japan
J r HM1616	Software for a personal computer	¥40,000
HM1616S	8ch distortion input, Excel style output, LCD accompaniment	¥360,000
HM1616SMD	8ch distortion input and also 6ch counting input, Excel style	¥470,000
HM1616SMD	8ch distortion input and also 6ch counting input, Excel style output, LCD accompaniment Counting input sensor be Mitutoyo/Ono Sokki correspondence	¥470,000
HM1616SD	8ch distortion input and also 6ch counting input, Excel style output, LCD accompaniment Counting input sensor be Peacock correspondence	¥500,000
−CF	add on CF(64M Compact Flash)	¥60,000