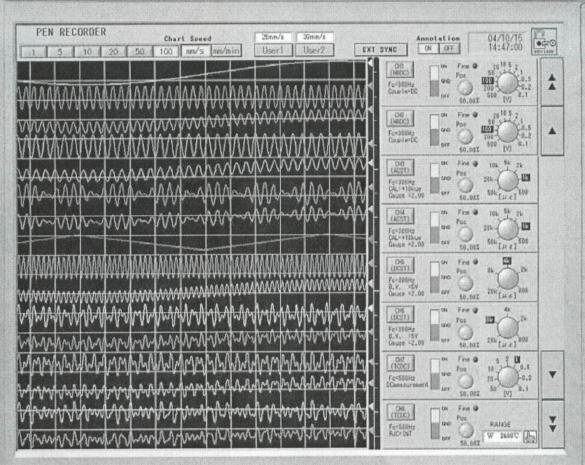
DATA ACQUISITION SYSTEM

OMNIACE III RA2300





OMNIACE in NEW GENERATION!!



"Simple & Quick Operation! Simple "Pen-recorder" Mode

/isualized amp.setting-display & touch panel provide simple operation like Pen-Recorder.

Dynamic wave form in Wide Display 12.1 inches TFT color display improves visibility of measuring data

Direct input from Sensors

11 types of input amp. are available for Voltage, Strain, Temp, Vibration, Pressure, F/V and other signal input.

Large size HDD like 120days-recording

Built-in large capacity 40GB HDD enables 120 days-recording (based on sampling speed 10ms, 16ch)

High-speed thermal printing

Max. 100mm/s high-speed thermal printer is built-in.

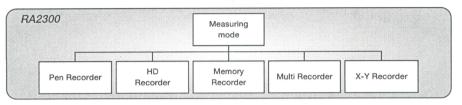




Features

Select most suitable measurement mode for your application

5 measurement modes are available, such as Pen-Recorder like pen-writing recording, HD-Recorder for long term recording. Each measurement mode is dedicated for each application. OMNIACE III RA2300 offers simple and certain operation for exact data acquisition.



Simple Operation

New "Visualized amp.setting menu" and "Auto function" for auto-sense adjustment are added. They realize certain data recording and simple operation, with using reputable touch panel, together.

High-speed, high-quality printing

Chart speed 100mm/s (recording density : 20 dots/mm) to 1mm/min (recording density 80 dots/mm) is selectable.

16 ch Analog + 16 ch Digital

Max. 16ch signal inputs (8 slots) are prepared for various sensors. And 16ch Digital are available separately from these input slots at option, for measurement of diverse signal-timing and contact-condition.

Standard LAN and USB I/F

LAN (100BASE-T) for data communication, and USB (1.1) for connecting to external storage device are equipped as standard I/F.

Specifications

Basic specifications

Display	12.1 inches, TFT Color LCD (1024 x 768), with Touch Panel		
Channel	16ch (8 slots) + Digital input 16 ch (optional)		
Memory			
Capacity	2MW / Ch (At using channel 1ch,32MW)		
Division	1, 2, 4, 8, 16, 32, 64, 128 divisons		
Sampling speed	MAX 1 μ s (1MS/s)		
Printer			
Printing type	Thermal head print on thermal paper		
Width of pager	219.5mm		
Chart Speed	100mm/s to 1mm/min		
Effective printing	1 division (200mm/FS) to 16 divisions (10mm/FS),		
range	arbitrary divisions and ranges settings are available		
Manage Control	Built-in HDD 40GB (Including system domain 5GB)		
Memory	External: Such as USB memory, MO through USB (1.1) I/F		
	LAN(100BASE-T) ··· control with communication command : Standard		
laka-da sa	USB (1.1 host) ······external storage device connection : Standard		
Interface	RS-232C ·····control by communication command		
	or UPS shut-down : Option		
	Memory Recorder Recording high speed event with trigger setting		
	HD RecorderRecoding input-signal into built-in HDD directly		
	Pen RecorderRecording input-signal by thermal paper printing		
Measuring mode	Multi Recorder ······Combined recording of Memory, HDD and/or		
(Recorder function)	Pen Recording are available		
	X-Y Recorder ·····Display and recording X-Y graph by arbitrary setting		
	of 1ch for X axis and 3chs for Y axes		
Operating Environment	Temperature : 5 to 40°C		
Operating Environment	Humidity: 35 to 80% RH (without condensation)		
Dawer Cupph	90 to 264VAC, Frequency 50 to 60Hz		
Power Supply	Power cosumption : 400VA max (at max load condition)		
Dimensions	Approx. 369.5 (W) x 150.5 (H) x 301 (D) mm		
Weight	7.0 kg or less (Main body only)		
	7.8 kg or less (Mian body with AP11-101 amp. X 4 sets installed)		

Configuration

Main Unit

Description	Model	Specification
OMNICE II	RA2300	Main Unit

Optional Unit

Description	Model	Specification
Remote Unit	RA23-112	For start/stop and paper feeding control by external signal
Event Unit	RA23-113	For 16ch logic unit for contact/voltage
RS-232C Unit	RA23-114	For control by communication command or UPS Shut-down
AC Bridge Power Unit	RA23-116	Bridge power unit for 2ch AC Strain amp

Input Amplifier

Description	Model	Specification
2ch high resolution DC Amp.	AP11-101	Input: ± 100 mv to ± 500 V, A/D resolution:16bit,sampling:10 μ s
2ch FTT Amp	AP11-102	Anti-Aliasing filter: 72dB/OCT, with power supply for sensor
2ch High-speed DC Amp	AP11-103	Input: ± 100 mv to ± 500 V, A/D resolution:12bit, sampling:1 μ s
2ch AC strain Amp *1	AP11-104	Frequency characteristic: 2kHz, Bridge power: 5kHz
Event Amp	AP11-105	Input: 8 logic (Voltage/Contact)
2ch TC/DC Amp	AP11-106	Input: R/T/J/K/W (± 100mv to ±500V), A/D resolution: 15it
TC/DC Amp	AP11-107	Input: R/T/J/K (\pm 100mv to \pm 50V), A/D resolution: 14bit
F/V Converter	AP11-108	Input: 1Hz to 10kHz
2ch Viblation/RMS	AP11-109	Input: ± 100mv to ± 500V, sampling: 10 µ s, :with power
Amp		supply for sensor
2ch DC strain Amp	AP11-110	Input : 800 με to 20k με (BV=5V, 2k με to 50k με (BV=2V)
2ch Zero suppression	AP11-111	Input:±100mv to ±500V, A/D resolution:16bit, sampling:10 µ s
Amp		input: 1 roomy to 1500y, AD resolution: 160it, sampling: 10 µ s

*1 Requires RA23-116 AC bridge power unit.

Optional Software

Description	Model	Specification
OMNI VIEWER	NS2100	Displaying data, CSV conversion

Contents of this catalog including specification are subject to change without notice.



Please read "WARNING" & "CAUTION" in the operation manual attached to the product carefully for proper operation before using the product.

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