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Data Sheet

August 13, 2026

YOKOGAWA

Yokogawa OR1400 Oscillographic Recorder

Yokogawa OR1400 Oscillographic Recorder (783001) The Yokogawa OR1400 is a portable oscillographic thermal-array recorder combining pen-recorder-like trace quality with 100 kHz sampling, 250 mm/s chart speed, and modular input units for voltage, thermocouple, strain, and frequency measurements. High-speed transient recording up to 10 kHz phenomena; field oscillography; strain and vibration logging; thermocouple multipoint capture; power-frequency monitoring. The Yokogawa OR1400 is a portable oscillographic thermal-array recorder combining pen-recorder-like trace quality with 100 kHz sampling, 250 mm/s chart speed, and modular input units for voltage, thermocouple, strain, and frequency measurements. High-speed transient recording up to 10 kHz phenomena; field oscillography; strain and vibration logging; thermocouple multipoint capture; power-frequency monitoring.



MODEL

Yokogawa OR1400

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

OR1400

LISTING

<https://aumictechlabs.com/products/or1400-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The Yokogawa OR1400 Oscillographic Recorder is a discontinued multi-channel data acquisition instrument designed for real-time recording of transient and dynamic phenomena in industrial process control and automation systems. It combines high-speed analog-to-digital conversion with flexible input conditioning to capture voltage, frequency, thermocouple, and strain measurements simultaneously across up to four channels. Technical Specifications Chart Speed: Up to 250 mm/s Effective Recording Span: 201 mm Sample Rate: 100 kHz per channel Resolution:

32 dots/mm (proprietary dot-overlap technology) A/D Converter: 14-bit resolution Memory: 1 Mdata per channel (4-channel models) Maximum Recordable Frequency: 10 kHzKey Features Input Flexibility: DC-coupled and AC-coupled voltage modes; universal 50 mV to 50 V range or specialized 100 mV to 500 V configuration Frequency Measurement: 50 Hz to 10,000 Hz input with 0.01 Hz resolution Thermocouple Support: Direct connection for K, J, E, T, L, U, R, S, B, N, and W types Strain Measurement: 100 $\mu\epsilon$ to 20,000 $\mu\epsilon$ range for load and acceleration phenomena Signal Conditioning: Per-channel 1.5 Hz cut-off line filter and low-pass filter; optional RMS converter unit for AC voltage RMS measurement Control Interface: LCD display with rotary knob control and key-touch operation Trigger Capability: Selectable trigger conditions for event-based data capture Communication: GPIB and RS-232-C interfaces; instrument drivers available for LabVIEW and other ADEs Data Export: Multiple recording formats and customizable printout optionsTypical Applications Process monitoring, transient event recording, multi-parameter industrial data logging, and automation system validation.Compatibility & Integration Optional isolation modules available: High-Speed 200 MS/s 14-bit and High-Speed 100 MS/s 12-bit variants. Approximate weight: 6.8 kg (15 lbs).

OR1400 Characteristics / Specifications

PARAMETER	VALUE
Model	OR1400
Manufacturer	Yokogawa
Instrument Type	Oscillographic Recorder
Catalog Number	783001
Max Chart Speed	250 mm/s
Effective Recording Span	201 mm
Sample Rate	100 kHz
Signal Bandwidth	up to 10 kHz
Memory	1 Mdata per channel (4 channel model)
ADC Resolution Universal Unit	14 bit
ADC Resolution Voltage Unit	12 bit
Max Input Channels	8 (configuration dependent)
Voltage Range Universal Unit	50 mV to 50 V
Voltage Range Voltage Unit	100 mV to 500 V
Thermocouple Types	K, J, E, T, L, U, R, S, B, N, W (11 types)
Strain Range	100 ue to 20000 ue
Frequency Input Range	50 Hz to 10000 Hz
Frequency Resolution	0.01 Hz
Chart Resolution	32 dots/mm (dot overlap technology)
Weight	6.8 kg
Display	LCD with rotary knob and key-touch interface
Alias	OR1400; 783001
Trigger Modes	multiple real-time and data capture conditions Notes
Discontinued April 2001. Replacement products	DL350 ScopeCorder, DL950. Confirm installed input unit type (universal, voltage, strain, frequency).

PARAMETER	VALUE
Bandwidth	1 Mdata/channel memory (4 ch model)

OR1400 Specifications

PARAMETER	VALUE
Yokogawa OR1400 Oscillographic Recorder (783001)	Overview
Key Features	- 250 mm/s maximum chart speed
Technical Specifications	Model: OR1400

Full OEM specifications

Complete technical content extracted from the manufacturer datasheet. Sparse OEM tables are reconstructed as tables below; other text is preserved as paragraphs.

Specifications	
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Optional Logic Input: available

Alias: OR1400; 783001

Trigger Modes: multiple real-time and data capture conditions

Notes

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Available from Aumictech

Used and refurbished unit evaluated in-house. Calibration: Available on request. Used · In stock.

Request a quote: sales@aumictech.com · +1 (484) 841-9341

Aumictech

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Technical content from manufacturer specifications. Unit photo/stock from Aumictech listing when available. Specifications subject to OEM documentation and unit condition.