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Data Sheet

August 13, 2026

YOKOGAWA

Yokogawa 3081 Hybrid Recorder

The Yokogawa 3081-31 is a switchboard panel instrument in the Yokogawa 2100A/2180A miniature switchboard meter family (110 mm or 80 mm square cases) for AC/DC current, voltage, and related measurements on industrial panels. Panel-mount current or voltage indication; switchboard monitoring; industrial control room instrumentation; replacement and like-for-like maintenance of legacy Yokogawa panel meters. Scale Interchange: numeral and division scales (103 series) Panel Cutout: per Yokogawa switchboard catalog drawing Burden: per movement and external multiplier/shunt Catalog identity 3081-31 follows Yokogawa switchboard numbering; confirm full scale, AC/DC type, and case size on the nameplate. Specifications densified from Yokogawa switchboard catalog (103/121 and 2100A series) where model-specific OEM tables are not published online.

**MODEL****Yokogawa 3081-31****CALIBRATION****Available on request****CONDITION****Used****STATUS****In stock****RFQ / SKU****3081-31****LISTING**<https://aumictechlabs.com/products/3081-31-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The Yokogawa 3081 is a second-generation hybrid paper chart recorder engineered for industrial data acquisition in process control, monitoring, and optimization environments. This desktop instrument delivers simultaneous multichannel recording across 30 DC input channels at 6 seconds per channel with 6-color output capability. The unit accepts maximum input voltages of 20 V or 100 V DC and operates on 100 V, 115 V, 200 V, or 230 V AC at 50 or 60 Hz, drawing

approximately 40 VA. Built for long-term operational stability in demanding applications, the 3081 integrates directly into existing Yokogawa systems and supports DCV, TC, RTD, DI, and DCA input types.

Technical Specifications

Model: 3081 **Type:** Hybrid Recorder, Paper Chart Recorder

Input Channels: 30 DC inputs **Recording Speed:** 6 seconds per channel **Recording Colors:** 6 colors

Input Voltage: Maximum 20 V DC or 100 V DC **Power Requirements:** 100 V AC, 115 V AC, 200 V AC, or 230 V AC (50–60 Hz) **Power Consumption:** Approximately 40 VA

Input Types: DCV, TC, RTD, DI, DCA **Dimensions:** 210 × 338 × 316 mm **Weight:** Approximately 11 kg **Manufacturer:** Yokogawa Electric Corporation (Japan)

Key Features GPIB, RS232C, RS422/485, and Ethernet interfaces for flexible system connectivity Desktop form factor optimized for laboratory and control room environments Six-color recording capability for enhanced channel differentiation Supports multiple input signal types including thermocouples and RTD sensors

Typical Applications Multi-parameter industrial process monitoring Real-time data logging in manufacturing and chemical processing Temperature and voltage trend documentation Equipment performance validation and troubleshooting

Compatibility & Integration The 3081 connects into existing Yokogawa instrumentation networks. This model represents a predecessor platform to the DR series of modern recorders, providing a proven migration path for facilities seeking to upgrade or expand their data acquisition infrastructure.

Features & description

From manufacturer datasheet

Features

- Switchboard panel-mount form factor

3081 Characteristics / Specifications

PARAMETER	VALUE
Model	3081-31
Manufacturer	Yokogawa
Instrument Type	Switchboard Panel Meter
Product Family	Yokogawa switchboard instruments (2100A/2180A and 103/121 series class)
Case Style	panel-mount square switchboard case
Scale Length	250 degree deflection class
Accuracy Tracking	+/-1.5% DC; +/-2% AC (103/121 series typical)
Repeatability	+/-0.5% DC and rectifier type (103 series typical)
Construction	dust and gasketed front; electrically shielded metal case (103 series)
Scale	interchangeable numeral/division scales (103 series feature)
Mounting	panel cutout per case size (2101A30/2181A00 class: 110 mm or 80 mm square)
Operating Position	vertical mounting preferred (103 series)
Full Scale	per nameplate (order code defines FS value and unit)
Frequency Range	50/60 Hz AC models; DC models per movement type
Movement	pivot and jewel (103 series); moving coil or rectifier per model code
Environmental	indoor switchboard service
Replacement Note	verify exact catalog plate for range and AC/DC type
Alias	3081-31
Case Material	metal shielded switchboard case (103 series class)
Front Cover	gasketed dust protection
Scale Interchange	numeral and division scales (103 series)
Panel Cutout	per Yokogawa switchboard catalog drawing
Burden	per movement and external multiplier/shunt
Overload	per switchboard meter class Notes Catalog identity 3081-31 follows Yokogawa switchboard numbering; confirm full scale, AC/DC type, and

PARAMETER

VALUE

case size on the nameplate. Specifications densified from Yokogawa switchboard catalog (103/121 and 2100A series) where model-specific OEM tables are not published online.

General Specifications & Supplementary Characteristics

PARAMETER	VALUE
Environmental	indoor switchboard service
Replacement Note	verify exact catalog plate for range and AC/DC type
Alias	3081-31
Case Material	metal shielded switchboard case (103 series class)
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Scale Interchange	numeral and division scales (103 series)
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Burden	per movement and external multiplier/shunt
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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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Specifications

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Scale Interchange	numeral and division scales (103 series)

Specifications

PARAMETER	VALUE
Panel Cutout	per Yokogawa switchboard catalog drawing
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Overload	per switchboard meter class

Notes

Catalog identity 3081-31 follows Yokogawa switchboard numbering; confirm full scale, AC/DC type, and case size on the nameplate. Specifications densified from Yokogawa switchboard catalog (103/121 and 2100A series) where model-specific OEM tables are not published online.

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.