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Data Sheet

July 31, 2026

YOKOGAWA

Yokogawa 701255 Analog Voltage Input Module, 10MS/s

Yokogawa 701255 Analog Voltage Input Module, High-Speed 10 MS/s 12-Bit Non-Isolation Module The Yokogawa 701255 is a two-channel high-speed non-isolated analog voltage input module for Yokogawa ScopeCorder and high-speed DAQ platforms. Yokogawa documentation describes it as a general-purpose 10 MS/s, 12-bit module with DC to 3 MHz bandwidth and $\pm 0.5\%$ DC accuracy, positioned as the non-isolation counterpart to the 701250 10 MS/s isolation module. The 701255 is intended for high-speed grounded (non-isolated) voltage waveform capture where 10 MS/s sample rate and multi-megahertz bandwidth are required. Typical uses include general electronics debugging, control-signal observation, and ScopeCorder recordings that do not require channel-to-ground isolation. For floating or high-common-mode measurements, Yokogawa isolation modules such as 701250/720250 are the appropriate alternatives. The Yokogawa 701255 is a two-channel high-speed non-isolated analog voltage input module for Yokogawa ScopeCorder and high-speed DAQ platforms. Yokogawa documentation describes it as a general-purpose 10 MS/s, 12-bit module with DC to 3 MHz bandwidth and $\pm 0.5\%$ DC accuracy, positioned as the non-isolation counterpart to the 701250 10 MS/s isolation module. The 701255 is intended for high-speed grounded (non-isolated) voltage waveform capture where 10 MS/s sample rate and multi-megahertz bandwidth are required.

No photo

MODEL

Yokogawa 701255

CALIBRATION

**N/A — off-catalog
OEM datasheet**

CONDITION

**See OEM
documentation**

STATUS

**Not listed on
Aumictech
inventory**

RFQ / SKU

701255

LISTING

**Off-catalog — OEM dat
asheet only**

NIST-traceable cal

SAM registered

30-day returns

Features & description

From manufacturer datasheet

Features

- 2 non-isolated unbalanced input channels
- Maximum sample rate 10 MS/s
- 12-bit A/D conversion (150 LSB/div)
- Analog bandwidth DC to 3 MHz (-3 dB)
- DC accuracy +/-0.5% of 10 div
- Metallic BNC inputs; AC, DC, and GND coupling
- Bandwidth limit filters: OFF / 500 Hz / 5 kHz / 50 kHz / 500 kHz
- Up to 600 V (DC + ACpeak) with 701940 10:1 passive probe
- Direct input up to 200 V (DC + ACpeak) per safety rating

Specifications

PARAMETER	VALUE
Model	701255
Instrument Type	High-Speed 10 MS/s 12-Bit Non-Isolation Analog Voltage Input Module
Input Channels	2
Input Type	Non-isolated, unbalanced
Input Coupling	AC, DC, and GND
Input Connector	BNC (metallic type)
Input Impedance	1 MOhm +/-1%, approximately 35 pF
Maximum Sample Rate	10 MS/s

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.

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Input Channels	2
Input Type	Non-isolated, unbalanced
Input Coupling	AC, DC, and GND
Input Connector	BNC (metallic type)
Input Impedance	1 MOhm +/-1%, approximately 35 pF
Maximum Sample Rate	10 MS/s

Frequency Range (-3 dB): DC to 3 MHz
A/D Conversion Resolution: 12-bit (150 LSB/div)
Voltage-Axis Sensitivity (Direct Input): 5 mV/div to 20 V/div (1-2-5 steps)
Bandwidth Limit: OFF / 500 Hz / 5 kHz / 50 kHz / 500 kHz
AC Coupler Low-Frequency -3 dB Point: 10 Hz or less (1 Hz or less when using the 701940)
Weight: Approximately 300 g

Maximum Input Voltage (1 kHz or Less)
With 701940 (10:1) Passive Probe: 600 V (DC + ACpeak)
Direct Input (Safety Standard Value): 200 V (DC + ACpeak)
Direct Input (Maximum Allowable Without Damage): 250 V (DC + ACpeak)

Vertical Accuracy
DC Accuracy: +/- (0.5% of 10 div)
Temperature Coefficient, Zero Point: +/- (0.05% of 10 div)/C, typical
Temperature Coefficient, Gain: +/- (0.02% of 10 div)/C, typical

Probing And Accessories
Recommended non-isolated 10:1 passive probe: 701940 (600 Vpk with 701255)
Differential probe often cited for 701255 use: 700925 (500 Vpk, 350 Vrms)
Probe attenuation settings supported on ScopeCorder platforms commonly include voltage probe ratios 1:1, 10:1, 100:1, 1000:1 and compatible current probes when powered. Probes are not included with the module.
Note: 30 Vrms is the safe limit when using 701940 with an isolated-type BNC input on other modules; follow Yokogawa accessory notes for the installed mainframe and probe combination.

Platform Compatibility
Compatible with ScopeCorder / DAQ mainframes such as DL850E, DL850EV, SL1000, and related platforms including DL950 and SL2000 per Yokogawa product documentation. Not compatible with DL350 in the plug-in module matrix.
Some 701250/701255 units shipped on or before July 2007 may require factory rework per Yokogawa notes.
Firmware updates may be required depending on the main unit.

Standard Operating Conditions
Specifications are generally valid under standard operating conditions of 23 C +/-5 C, 20 to 80% RH, after warm-up of 30 minutes or more, and after calibration. Recommended calibration period: 1 year.

Operational Notes
The 701255 provides the same 10 MS/s / 12-bit / 3 MHz class performance envelope as the isolated 701250, but without channel isolation. Use only on grounded measurements or with appropriate differential probes; do not

rely on this module for floating high-voltage isolation. Yokogawa product pages may describe the module as a general-purpose non-isolation module with AAF in reference to the selectable bandwidth-limit filters.

Notes

This manual OEM source was compiled from official Yokogawa ScopeCorder plug-in module specifications (DL850E/DL850EV and related bulletins) and Yokogawa 701255 General Purpose Non-Isolation Module product documentation.

Available from Aumictech

Used and refurbished unit evaluated in-house. Calibration: N/A — off-catalog OEM datasheet. See OEM documentation · Not listed on Aumictech inventory.

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

Aumictech

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30-day returns
NAICS 423690 · 811210 · 541380
Generated July 31, 2026

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