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Data Sheet
July 31, 2026

YOKOGAWA

Yokogawa 701262 Universal Voltage & Temperature Input Module (w/AAF)

Yokogawa 701262 Universal Voltage and Temperature Input Module (with AAF) The Yokogawa 701262 isatwo-channel isolated universal ScopeCorder plug-in module for switchable voltage and thermocouple temperature measurement, withabuilt-in anti-aliasing filter (AAF). Yokogawa documentation positions it as the AAF-equipped version of the 701261 universal module, enabling synchronous voltage and temperature acquisition onacommon time base for correlated electrical and thermal analysis. The 701262 is intended for power electronics, battery testing, and design-validation work where voltage transients and temperature must be recorded together. Typical uses include isolated low-voltage waveform capture up to 100 kS/s, thermocouple logging up to 500 S/s, and anti-aliased sampling of band-limited signals without high-frequency foldover distortion. The Yokogawa 701262 isatwo-channel isolated universal ScopeCorder plug-in module for switchable voltage and thermocouple temperature measurement, withabuilt-in anti-aliasing filter (AAF). Yokogawa documentation positions it as the AAF-equipped version of the 701261 universal module, enabling synchronous voltage and temperature acquisition onacommon time base for correlated electrical and thermal analysis. The 701262 is intended for power electronics, battery testing, and design-validation work where voltage transients and temperature must be recor

No photo

MODEL	CALIBRATION
Yokogawa 701262	N/A — off-catalog OEM datasheet
CONDITION	STATUS
See OEM documentation	Not listed on Aumictech inventory
RFQ / SKU	LISTING
701262	Off-catalog — OEM dat asheet only

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

Features & description

From manufacturer datasheet

Features

• 2 isolated unbalanced input channels • Switchable voltage or thermocouple temperature measurement • Voltage sample rate up to 100 kS/s; temperature update up to 500 S/s (500 Hz) • 16-bit voltage resolution (2400 LSB/div); 0.1 C temperature resolution • Voltage bandwidth DC to 40 kHz; temperature bandwidth DC to 100 Hz • Built-in anti-aliasing filter with cutoff automatically linked to sample rate • DC accuracy +/-0.25% of 10 div • Supports thermocouples K, E, J, T, L, U, N, R, S, B, W, and KP/AuFe (iron-doped gold/chromel) • Binding-post inputs; TC, DC, AC, and GND coupling • Compatible with DL350, DL850E/EV, DL950, SL1000, and related ScopeCorder platforms

Specifications

PARAMETER	VALUE
Model	701262
Instrument Type	Universal (Voltage/Temperature) Module with Anti-Aliasing Filter
Input Channels	2
Input Type	Isolated unbalanced
Input Coupling	TC (thermocouple), DC, AC, and GND
Input Connector	Binding post
Input Impedance	Approximately 1 MOhm
Maximum Sample Rate (Voltage)	100 kS/s
Data Update Rate (Temperature)	500 Hz (500 S/s)

Specifications

PARAMETER	VALUE
Type K	-200 C to 1300 C; +/- (0.1% of reading + 1.5 C); for -200 C to 0 C use +/- (0.2% of reading + 1.5 C)
Type E	-200 C to 800 C
Type J	-200 C to 1100 C
Type T	-200 C to 400 C
Type L	-200 C to 900 C
Type U	-200 C to 400 C
Type N	0 C to 1300 C
TypesRand S	0 C to 1700 C; +/- (0.1% of reading + 3 C); except 0 to 200 C: +/-8 C; 200 to 800 C: +/-5 C
Type B	0 C to 1800 C (effective 400 C to 1800 C); +/- (0.1% of reading + 2 C); except 400 to 700 C: +/-8 C
Type W	0 C to 2300 C; +/- (0.1% of reading + 3 C)
KP/AuFe	0 K to 300 K; 0 to 50 K: +/-4 K; 50 to 300 K: +/-2.5 K
Thermocouple Standard	JIS C1602 for K, E, J, T, N, R, S, B
Bandwidth Limit (Temperature)	Full or OFF / 2 Hz / 8 Hz / 30 Hz

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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Model	701262
Instrument Type	Universal (Voltage/Temperature) Module with Anti-Aliasing Filter
Input Channels	2
Input Type	Isolated unbalanced
Input Coupling	TC (thermocouple), DC, AC, and GND
Input Connector	Binding post
Input Impedance	Approximately 1 MOhm
Maximum Sample Rate (Voltage)	100 kS/s
Data Update Rate (Temperature)	500 Hz (500 S/s)

Frequency Range (-3 dB): Voltage DC to 40 kHz; Temperature DC to 100 Hz
A/D / Vertical Resolution: Voltage 16-bit (2400 LSB/div); Temperature 0.1 C
AC Coupler Low-Frequency -3 dB Point (Voltage): 0.5 Hz or less

Specifications

PARAMETER	VALUE
Weight	Approximately 280 g to 300 g
Voltage Measurement	Voltage-Axis Sensitivity: 5 mV/div to 20 V/div (1-2-5 steps)
Vertical (Voltage) Axis Accuracy	+/- (0.25% of 10 div)

Temperature Coefficient, Zero Point: +/- (0.01% of 10 div)/C, typical
Temperature Coefficient, Gain: +/- (0.02% of 10 div)/C, typical
Bandwidth Limit (Voltage): Full or OFF / AUTO (AAF) / 40 Hz / 400 Hz / 4 kHz

Temperature Measurement
Accuracy figures exclude reference junction compensation accuracy.

Specifications

PARAMETER	VALUE
Type K	-200 C to 1300 C; +/- (0.1% of reading + 1.5 C); for -200 C to 0 C use +/- (0.2% of reading + 1.5 C)
Type E	-200 C to 800 C
Type J	-200 C to 1100 C

PARAMETER	VALUE
Type T	-200 C to 400 C
Type L	-200 C to 900 C
Type U	-200 C to 400 C
Type N	0 C to 1300 C
TypesRand S	0 C to 1700 C; +/- (0.1% of reading + 3 C); except 0 to 200 C: +/-8 C; 200 to 800 C: +/-5 C
Type B	0 C to 1800 C (effective 400 C to 1800 C); +/- (0.1% of reading + 2 C); except 400 to 700 C: +/-8 C
Type W	0 C to 2300 C; +/- (0.1% of reading + 3 C)
KP/AuFe	0 K to 300 K; 0 to 50 K: +/-4 K; 50 to 300 K: +/-2.5 K
Thermocouple Standard	JIS C1602 for K, E, J, T, N, R, S, B
Bandwidth Limit (Temperature)	Full or OFF / 2 Hz / 8 Hz / 30 Hz

Reference Junction Compensation
RJC Accuracy (input terminal temperature balanced): K, E, J, T, L, U, N: +/-1 C; R, S, B, W: +/-1.5 C; KP/AuFe: +/-1 K

Anti-Aliasing Filter (701262 Only)
Cutoff Frequency (fc) automatically linked to sampling frequency (fs):
When fs greater than or equal to 100 Hz: fc = fs x 40%
When fs greater than or equal to 50 Hz (lower band of linkage): fc = 20 Hz
AUTO (AAF) bandwidth-limit selection engages this sample-rate-linked filter to reduce aliasing from out-of-band content.

Input Voltage And Isolation Limits (1 kHz or Less)
Maximum Input Voltage: 42 V (DC + ACpeak) safety-standard value; 150 V (DC + ACpeak) maximum allowable without damage
Maximum Rated Voltage to Earth / Common Mode: 42 V (DC + ACpeak), CATIand CAT II (30 Vrms)

Platform Compatibility
Compatible with ScopeCorder / DAQ mainframes including DL350, DL850E, DL850EV, SL1000, and related platforms such as DL950. The 701261 is the same universal module without AAF. Probes are not included. Firmware updates may be required depending on the main unit.

Standard Operating Conditions
Specifications generally apply at 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
Each channel can be configured for voltage or thermocouple temperature. The AAF is the primary differentiator versus 701261 and is useful when sampling rates are modest relative to signal content. Binding-post inputs support thermocouple leads and low-voltage wiring; observe the 42 V safety rating for floating measurements.

Notes
This manual OEM source was compiled from official Yokogawa ScopeCorder plug-in module specifications for Universal (Voltage/Temp.) Module 701261 / with AAF 701262, and from Yokogawa 701262 Temperature and Universal Voltage Module with AAF 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
788 S 500 E, Pleasant Grove, UT 84062
sales@aumictech.com · +1 (484) 841-9341
https://aumictechlabs.com

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