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Data Sheet

August 13, 2026

YOKOGAWA

Yokogawa UT350-01 Digital Indicating Controller

Yokogawa UT350-01 Digital Indicating Controller The Yokogawa UT350-01 is a 96 × 96 mm panel-mount digital indicating controller with retransmission output and 15 V DC loop power supply standard, succeeded by the UT35A series. Temperature and process control loops; panel-mount PV indication with control output; retransmission to recorders and PLCs; heating/cooling control (-02 type). The Yokogawa UT350-01 is a 96 × 96 mm panel-mount digital indicating controller with retransmission output and 15 V DC loop power supply standard, succeeded by the UT35A series. Temperature and process control loops; panel-mount PV indication with control output; retransmission to recorders and PLCs; heating/cooling control (-02 type).



MODEL

Yokogawa UT350-01

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

UT350-01

LISTING

<https://aumictechlabs.com/products/ut350-01-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Yokogawa UT350-01 is a 1/4 DIN digital indicating controller engineered for precise temperature and process control in industrial applications. It combines universal input flexibility with advanced PID control algorithms, delivering stable setpoint regulation across heating and cooling circuits. The instrument features a bright 4-digit, 20 mm LED display for simultaneous process variable and setpoint indication, along with dedicated status LEDs for operational feedback. Technical Specifications Form Factor & Display 1/4 DIN compact panel mount 4-digit

LED display, 20 mm character height Dimensions: 2.2 cm × 12.4 cm × 12.6 cm Weight: 0.1 kg IP55-compatible drip-proof front panel Input Stage Universal Input System with software-selectable configuration Accepts thermocouple, RTD, DC current, and voltage inputs Single-channel PV input (terminals 11, 12, 13) Control & Output PID control with auto-tuning capability SUPER overshoot suppression function SUPER2 hunting suppression function Heating/cooling dual-loop control Relay contact outputs rated 240 V AC / 1 A or 30 V DC / 1 A Contact leakage current: ≤100 µA (off state) Contact resistance: ≥20 kΩ (off state) 4-20 mA retransmission output (PV or setpoint) Programmable alarm outputs (up to two channels) Status detection hold time: ~1 second minimum Power Supply Primary: 100–240 V AC (±10%), 50/60 Hz Loop power: 15 V DC standard (terminals 14, 15) or 24 V DC optional (terminals 21, 22) Loop supply max current: 21 mA Supplies power to 2-wire transmitter configurations Communication Optional RS-485 interface Verified PLC connectivity: MELSEC-A, MELSEC-Q, MELSEC-FX Protocol support: Ladder communication or Modbus RTU Key Features Flexible universal input accommodates multiple sensor types without recalibration Auto-tuning PID eliminates manual gain adjustment during commissioning. Dual suppression functions (SUPER and SUPER2) minimize overshoot and hunting for faster response stability. Integrated loop power supply eliminates external transmitter PSU in many 2-wire configurations. Optional communications enable remote monitoring and supervisory control integration. Typical Applications Temperature control loops in furnaces, reactors, and heat exchangers; process monitoring in batch and continuous manufacturing; setpoint regulation where multiple sensor types require single instrument support. Compatibility & Integration Works with MELSEC PLC families and Modbus-compatible control systems. Supports 2-wire intelligent transmitters via integrated 15 V or 24 V DC loop power. Relay and analog outputs interface directly to solenoids, contactors, and data acquisition systems.

UT350 Characteristics / Specifications

PARAMETER	VALUE
Model	UT350-01
Manufacturer	Yokogawa
Instrument Type	Digital Indicating Controller
Case Size	96 W x 96 H x 100 D mm (depth from panel face)
Panel Cutout	92 W x 92 H mm (+0.8 mm)
Display PV	4-digit 7-segment LED, 20 mm height
Display SV	4-digit 7-segment LED, 9.3 mm height
Control Types	-0 standard; -2 heating/cooling; -3 with 24 V DC loop power (UT320/350 family)
Retransmission Output	standard on UT350
Loop Power Supply	14.5 to 18.0 V DC, max 21 mA (UT350 standard)
Loop Power 24 V Option	21.6 to 28.0 V DC, max 30 mA (-3 type)
Construction	IP55 front panel (ABS/polycarbonate)
Case Color	black
Weight	approx. 1 kg or less
Installation	panel mount; up to 30 deg upward facing
Wiring Terminals	M3.5 screw terminals
Discontinued Date	January 2010
Replacement Series	UT35A/UT32A (UTAdvanced)
Suffix	per Yokogawa order code (input type, output, alarm)
Alias	UT350-01; UT350
Control Output	relay or SSR per suffix
Alarm Outputs	per suffix configuration
Input Types	thermocouple, RTD, DC input per suffix
Ambient Operating	0 to 50 deg C (UT350); note UT320 0 to 40 degC Power Supply: 100 to 240 VAC per suffix Notes UT350-01 suffix defines input sensor type

PARAMETER	VALUE
	and control outputs—read nameplate order code. Discontinued; see UT35A migration guides.

UT350 Specifications

PARAMETER	VALUE
Key Features	- 96 × 96 mm panel instrument
Technical Specifications	Model: UT350-01
Notes	UT350-01 suffix defines input sensor type and control outputs—read nameplate order code. Discontinued; see UT35A migration guides.

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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Ambient Operating	0 to 50 deg C (UT350); note UT320 0 to 40 degC Power Supply: 100 to 240 VAC per suffix

Notes

UT350-01 suffix defines input sensor type and control outputs—read nameplate order code. Discontinued; see UT35A migration guides.

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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NIST-traceable calibration · SAM registered ·
30-day returns
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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.