

Yokogawa Process Controllers

UM330, UM350, UT320, and UT350

- 1/4 DIN, and 1/8 DIN Models
- Indicating Meter with Alarms (UM Series)
- Indicating Controller (UT Series)
- Retransmission Output and 15V DC Loop Power Supply are Provided as Standard
- Universal Inputs
- Communication Facility is Available Option

The UM330 and UM350 Digital Indicator with Alarms are precision alarm instruments with universal input.

The UT320 and UT350 are highly accurate Digital Indicating Controllers, providing universal input/outputs. They have excellent monitoring operability with the Auto/Man switching key. In addition, heating/cooling control, including PID control with auto-tuning, "Super" overshoot suppression function, and the "Super 2" hunting suppression are available as control functions.

All series models have exactly the same function and performance. Only the size and weights are different.

UP350

- Practical 2-Pattern Control
- Universal Input/Output
- Built-In Auto Tuning
- New Communication Method

The UP350 process controller is a precision controller, featuring two program profiles and universal input/output. Excellent control, auto-tuning, and PID control with a "Super" overshoot suppressor is available. Retransmission output and loop power supply for a sensor is also standard.



▲ UT320



▶ UM330



▶ UP350

SPECIFICATIONS

Inputs

Thermocouple:	K, J, T, B, S, R, N, E, L, U, W, Platinel 2, PR20-40, and W97Re3-W75Re25
RTD:	JPt100, Pt100
Voltage:	DCV/mV
Input Accuracy:	±0.1% (input period: 250 ms)
Retransmission Output:	Process variable and target setpoint; 4–20 mA output. NOTE: UM is 4–20 mA only. Sensor excitation (1.5 to 18.0V, approx. 21 mA)
Loop Pwr Supply:	21.6 to 28.0 VDC, 30 mA
Event Output:	2 PV event + 1-time event standard
Communication:	RS-485, 2- or 4-wire type
Maximum Distance:	1200m, 31 units can be connected
Power:	100 to 240 VAC ±10%, 50/60 Hz

ORDERING INFORMATION

To Order—Insert Number Code for Each Letter to Select Catalog Number
Order Example: UT320-2-2

A - B - C

A	Basic Unit
UM330	1/8 DIN Indicator with Alarms
UM350	1/4 DIN Indicator with Alarms
UT320	1/8 DIN Controller
UT350	1/4 DIN Controller
UT350L	1/4 DIN High Limit Controller
UP350	1/4 DIN Program Controller
B	Controls
0	General Purpose Model
2	Universal Heat/Cool (avail. UT only)
3	General Purpose w/ 24V DC Power Supply
C	Options
0	None
1	RS-485 Port (all), plus 4 th Alarm and Heater Break Alarm (UM only)
2	Heater Break Alarms (UT only) or 4 th Alarm (UM only)

ORDERING INFORMATION—ACCESSORIES

4859485C	RS-232 to RS-485 Port Powered Converter
4859X	NEMA-3 Enclosure for Stand Alone Mount
4859BDC16	16-Position Rotary BCD Switch
4859COV	NEMA-4 Rated Cover for 1/4 DIN
4859COV8	NEMA-4 Rated Cover for 1/8 DIN
4859LPS	24 VDC, 100 mA Loop Power Supply—External
4859100RES	.100Ω Precision Resistor
4859250RES	250Ω Precision Resistor
CTL-6P	50 Amp CT for use with UT320/350 with Heater Break Alarm
T9115YD	Terminal Cover for 1/4 DIN Green Series
T9115YE	Terminal Cover for 1/8 DIN Green Series