Digital Indicating Controller
UTAdvanced Series UTAdvanced®
UT55A/UT52A/UT35A/UT32A

Yokogawa has launched the UTAdvanced series of digital indicating controllers featuring sequence control based on the widely used ladder logic programming language.

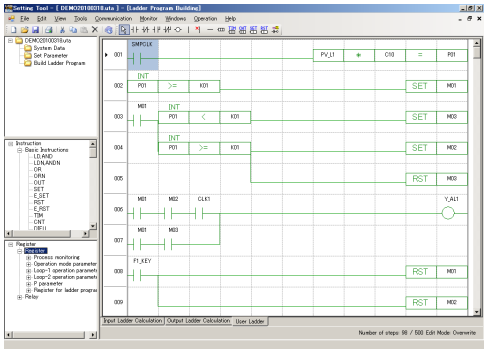
The UTAdvanced series offers various improved functions for measurement, display, operation, control, and networking. It reduces the total cost by making design work more efficient for users and reducing peripherals and wiring.

FEATURES

■ Ladder sequence control function as standard

The UTAdvanced series are equipped with a sequence control function based on the widely used ladder logic programming language, which is popular among engineers who use programmable logic controllers (PLC). This function cuts the cost by reducing peripherals and wiring, and makes it easy to build a simple control panel.

- By configuring the functions of small PLCs, timers, and switches into the controller, which devices are often needed in addition to the controller, a simple device configuration incorporating the sequence control function can be achieved.
- A simple configuration and familiar language reduce the man-hours for program development.
- The ladder program can access all the data within the controller, which enables various applications such as input compensation or combining PID control and sequential control.



■ 14-segment color LCD display

The 14-segment color LCD display clearly shows information in English as well as in German, French, and Spanish. The language is easily changed by setting a parameter. Text scrolling enables the full names of parameters to be shown, so there is no need to guess the meanings of abbreviations.

■ Built-in open network

The UTAdvanced series contains open network (Ethernet, PROFIBUS-DP) communication functions and does not need any communication program. As a result, communication converters, wiring, and network setup are not necessary, thus reducing the total cost. For compatibility, registers have common numbers with those of existing controllers. The compliance with CC-Link and DeviceNet in the near future is planned.

■ Three-years warranty

Reducing components and adopting reliable componets such as nonvolatile memory have made it possible to offer a three-years warranty.

■ Others

- IP56 dustproof and waterproof front panel (conforming to NEMA4)　Note: Hose down test only
- 24 V DC power supply can be used.
- Up to 4 analog inputs are available (only for UT55A). Up to 2 direct inputs are available for temperature (only for UT5xA).
- The number of I/O points is considerably increased: 9 points for digital input and 18 points for digital output.
- Parameters can be set via a PC even when the controller is turned off (a dedicated cable and setting software are necessary).

SPECIFICATIONS

- Lineup
  UT55A/UT52A digital indicating controller
  UT35A/UT32A digital indicating controller
- PV input accuracy & control cycle
  ±0.1% of F.S.
  50, 100, or 200 ms (UT5xA)
  200 ms (UT3xA)
- Maximum number of steps for the ladder program
  500 steps (UT5xA), 300 steps (UT3xA)
- Updating cycle of ladder program: synchronized with the control cycle of the controller
- Dimensions
  96(W) × 96(H) × 65(D) mm (UT55A, UT35A)
  48(W) × 96(H) × 65(D) mm (UT52A, UT32A)
- Conformity with: UL, CSA, and CE mark

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