



# T630

## Process Controller



The T630 is designed to fit into existing panel cutouts as well as new panels requiring traditional loop integrity with the benefit of industry-standard communications for integration into a supervisory control environment. With a choice of dual-loop cascade as well as single loop or ratio control algorithms, the T630 will actually save panel space in retrofit situations by replacing two or even three existing units. The expansion I/O card allows full hand-shaking and bumpless transfer when separate units are connected in cascade or in master-slave configuration.

### Specifications

**Dimensions:**

72W x 144H x 253D mm  
Cutout size: 68 x 138 mm

**Inputs:**

V, mA, T/C, PRT range selection

**Sensor types:**

J, K, T, S, R, B, N, PT100

**Control configs:**

PID, single loop, ratio, incremental output, dual loop cascade, override control, manual station

**Input accuracy:**

0.1% of range

**Supply voltage:**

90-256Vac rms or 19-55Vdc

**Power rating:**

25VA

**Operating temperature:**

0 to +50°C

**Relative humidity:**

5 to 95% RH non-condensing

**Comms:**

Serial RS422/RS485

**Protocols**

Modbus, Profibus DP

**Displays:**

LED technology

### Features

- single loop/ratio/dual loop cascade, override control or manual station
- analog or incremental raise/lower (VP) output
- autotune standard
- DIN 43700 standard (72mm x 144mm), IP65/NEMA 4 front panel
- universal, isolated I/O, TC, RTD, high level with transmitter PSU
- Modbus and Profibus® DP comms
- config via front panel or PC
- password protection of configuration parameters
- minimal hardware options facilitate spares