

# Flowphant T DTT31

## Flow switch

Safe monitoring of flow rates and temperature in industrial processes. Compact and cost-saving



from **€236.00**

Price as of 24.09.2021

More information and current pricing:

[www.at.endress.com/DTT31](http://www.at.endress.com/DTT31)

### Benefits:

- Practically no pressure loss
- Configuration software FieldCare for quick configuration and reliable storage of device settings
- Optional: second switch output or 4 to 20 mA analog output for temperature monitoring or for outputting the flow as a percentage
- Function check and process information onsite thanks to digital display at device
- Top housing section which can be rotated 310° and rotatable display make it possible to read the measured values in all orientations
- Marine approval

### Specs at a glance

- **Max. measurement error** 2% - 10% (per measurement range)
- **Medium temperature range** -20...+85°C (-4...+185°F) CIP-able to 130°C / 266°F
- **Max. process pressure** 100 bar (1.740 psi)

**Field of application:** The switch is designed for the safe measurement, display and monitoring of relative mass flow rates of liquid media with practically no pressure loss. It can be selected between one or two switch outputs as well as one switch output and one standardized analog output for flow rates or temperature values. Typical applications are: Monitoring cooling water circulation processes or lubrication systems of pumps and heat exchangers or leak monitoring in process lines.

### Features and specifications

## Liquids

**Measuring principle**

Thermal

**Product headline**

Flow switch for liquid applications, intelligent / programmable; insertion style

**Nominal diameter range**

DN 25...1000

1"...40"

**Max. measurement error**

2% - 10% (per measurement range)

**Max. process pressure**

100 bar (1.740 psi)

**Medium temperature range**

-20...+85°C

(-4...+185°F)

CIP-able to 130°C / 266°F

**Degree of protection**

IP66

**Display/Operation**

LED

LCD-Display

**Outputs**

1 x PNP switchable output + 1 x 4...20 mA analog output

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