

Flowphant T DTT31

Flow switch

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



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)

from **€298.00**

Price as of 21.09.2025

More information and current pricing:

www.endress.com/DTT31

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

More information www.endress.com/DTT31