

Universal instrument for monitoring and calibration of signal converters and process data

Supplies or monitors current- and voltage signals

Digital adjustment and display

Supplied from battery or line via adaptor

Made in accordance with the CE and EMC regulations



DT420 is a battery supplied field instrument, which can be used for test and simulation of current- and voltage signals within the ranges 0-20 mA and 0-10 V.

The instrument is supplied with the following control and monitoring functions:

- 4-digit LCD display
- Rotary switch for function selection
- Push-button with indication for range selection
- Up/down push-buttons for range adjustments

The rotary switch has the following positions:

- OFF: The instrument is OFF
- Volt: Monitoring or generation of voltage signals
- Passive: Monitoring or generation of current signals, passive (sink) function, i.e. current consumption.
- Active: Generation of current signals, active (source) function.

With the push-button you can select between the following functions:

- Test: Monitoring of current or voltage signals.
- Var: Generation of current or voltage signals, level is set with the up/down buttons.
- 20mA/10V: Fixed output signal, current or voltage is selected on the rotary switch.
- 4 mA/2 V: Fixed output signal, current or voltage is selected on the rotary switch.

Technical data:

- Battery type:** 9 V, type 6LR61
- Power consumption:** 200 mW at full load
- Life-time, battery:** Approx. 6 hours at full load
- Display, resolution:** 0,01 mA / 0,01 V
- Accuracy:** +/- 0,2 %
- Operating temp.:** -20°C to +50°C
- Temp. coefficient:** < 0,015% / °C
- Input impedance:** Voltage: >100 k Ω
Current: 50 Ω
- Max. load:** Current: max 500 Ω
Voltage: min. 5 k Ω
- Connections:** Banana plug in top of the instrument.

Ordering number:

- Instrument: DT420
- AC-adaptor: BE12-230

Dimensions and weight:

- H x W x D: 150 x 80 x 35 mm
- Weight: 250 g

