

Universal 3½-digit instrument with 25 mm digit height

Current- voltage- and temperature inputs in the same instrument

Separate zero and span adjustments

Galvanic separation between supply and internal electronics

Made in accordance with the CE and EMC regulations



DTF199 is a robust wall instrument with a big display, which makes it very suitable in many applications.

When the box is open, you can select the function and adjust the range.

When the box is closed, it is protected to IP65.

Technical data:

Supply voltage: 12-30 V AC/DC or 230 VAC
At 230 VAC supply, the internal electronics is separated from the supply (test voltage 2 kV AC).
At 12-30 V supply, there is no separation between supply and internal electronics.

Power consumption: 2,5 VA

Operating temp.: -10°C to +50°C

Humidity: 0 - 90% RH, non-condensing

Metering inputs: 0-20 mA
0-10 V
-99 - +150°C (Pt100)

Input impedance: 0-20 mA: 50 Ω
0-10 V: 99 k Ω

Display:
mA/V -900 - +1999, adjustable
Pt100 -99.0 - +150,0°C, offset adjustable

Adjustments: Trimming potentiometers and switches on the back of the instrument.

Function: Switches, mA/V or Pt100

0-20 mA or 0-10 V

Zero point: range: -900 to +900

Range: 0 to 1999 (not temperature)

Decimal point: selectable after digit 1, 2 or 3

Accuracy, Pt100. 0,1°C

Mechanical dimensions:

L x W x D: 80 x 160 x 62 mm.

Weight: 350 g.

Protection: IP65

EMC:

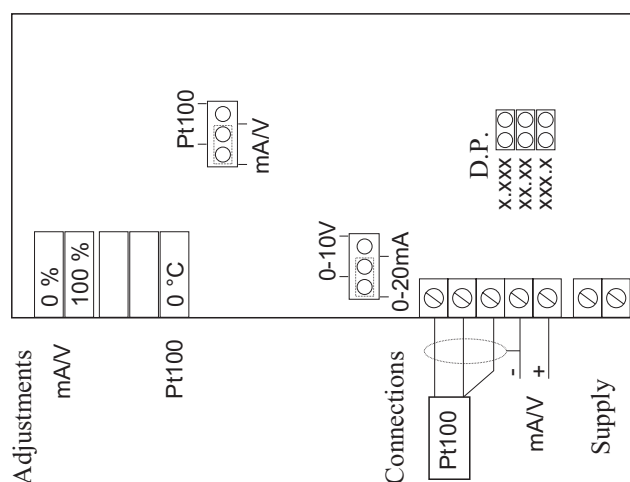
Emission: EN 50081-1

Immunity: EN 50082-1

Connections: screw terminals, max. 1,5 mm.

pin 1-2: Pt100 sensor
pin 3: sensor cable, compensation
pin 4: screen/minus
pin 5: input mA/V plus
pin 6-7: supply 12-30 V AC/DC

Connections and adjustments:



Adjustments, mA and V inputs:

Set the function and decimal point selectors in the wanted positions. Connect minimum input signal and adjust on the 0% potentiometer to the wanted display. Then connect maximum input signal and adjust on the 100% potentiometer to the wanted display.

Adjustments, Pt100 input.

When the instrument is used for temperature display, it is only possible to adjust the offset (zero-point).

Ordering number:

DTF199-012 12-30 V supply voltage
DTF199-230 230 VAC supply voltage

GIANT DISPLAY:

The instrument is also available with 100 mm high digits and a light intensity of 10.000 mcd.

Mechanical dimensions: 500 x 200 x 100 mm
other dimensions on request

Ordering number: DTX199-230

