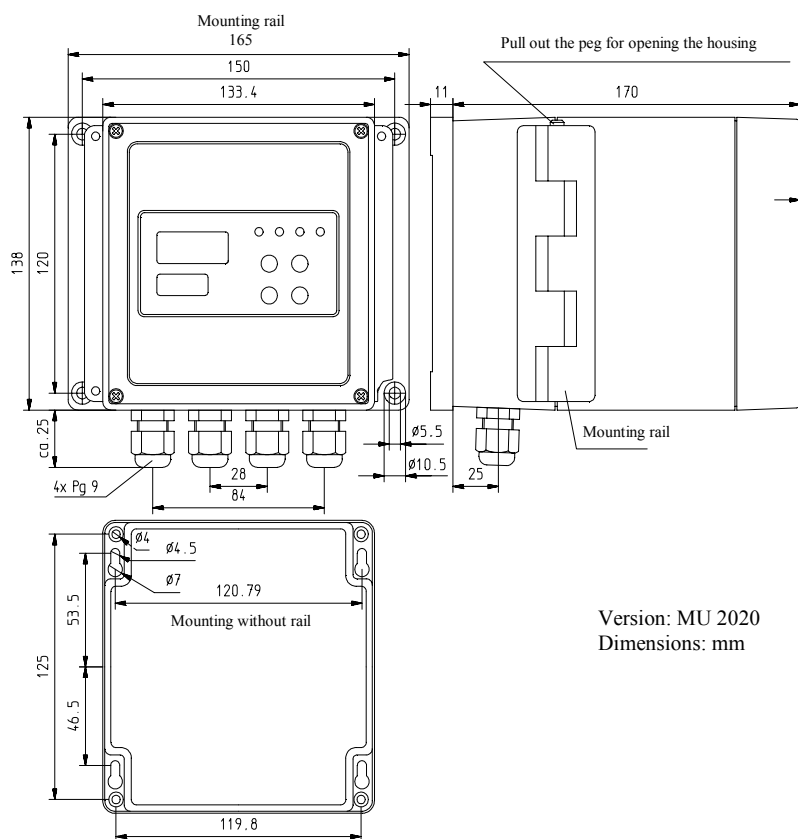


Conductivity Controller MU 2020

06/04



Version: MU 2020
Dimensions: mm

The Conductivity Controller MU 2020 features identical design and dimensions to the pH/redox Controller MU 2000, calibration functions, automatic temperature compensation, user-friendly installation and programmability as well as integrated controller functions. The controller works in connection with conductive 2-electrode cells with different cell constants and integrated temperature sensors.

Versions:

MU 2020: plastic case for wall mounting with strip compartment, IP 65

MU 2020-F: panel mounted enclosure, front panel IP 65
Dimensions:
96 x 48 x 106 mm

Specifications

Measuring ranges

0 ... 0.5; 2; 10 $\mu\text{S}/\text{cm}$ for cells with cell constant 0.01 cm^{-1}
0 ... 20; 100; 1000 $\mu\text{S}/\text{cm}$ for cells with cell constant 0.1 cm^{-1}
0 ... 1; 5; 20; 100 mS/cm for cells with cell constant 1 cm^{-1}
0 ... 1; 5; 30 mS/cm for cells with cell constant 3 cm^{-1}
0 ... 30; 200 mS/cm for cells with cell constant 10 cm^{-1}
-50 ... 250 $^{\circ}\text{C}$

Resolution

0.01 $\mu\text{S}/\text{cm}$; 1 mS/cm ; 0.1 $^{\circ}\text{C}$

Temperature compensation

automatically with temperature sensor or manually 0 ... 5.5 %/K

Relay outputs

2 floating relay outputs; max. 3 A, 250 V AC; 1 logic output

Controller functions

limit, P, PI, PD or PID controller with pulse width or pulse frequency output; free adjustable and configurable

Analogue output

0(4) ... 20 mA or 0(2) ... 10 V DC, electrically isolated from the inputs

Display

2 x 4 digits LED, height 13 / 8 mm

Power

110 ... 240 V AC, 48 ... 63 Hz or 20 ... 53 V AC/DC about 8 VA

Ambient temperature

-10 ... 55 $^{\circ}\text{C}$

EMC

in accordance with EN 61326 class B

Electrodes / Sensors

conductive 2-electrode cells with integrated temperature sensors Pt 100 or Pt 1000

Electrical connection

faston connectors to DIN 46244/A; 4.8 x 0.8 mm

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