



The pH / redox (ORP) Controller MU 2000 features simultaneous processing of pH or redox (ORP) and temperature, easy and quick calibration functions, automatic temperature compensation, user-friendly installation and programmability as well as integrated controller functions. The controller works in connection with pH or redox (ORP) combination and single electrodes and in connection with integrated or separated temperature sensors.

Versions:

MU 2000: plastic case for wall mounting with strip compartment, IP 65

MU 2000-F: panel mounted enclosure, front panel IP 65
Dimensions:
96 x 48 x 106 mm

MU 2000-I: additionally with a second analogue output

Specifications

Measuring ranges	pH -1 ... 14; -1999 ... 1999 mV -50 ... 250 °C
Resolution	0.01 pH; 1 mV; 0.1 °C
Temperature compensation	automatically with temperature sensor or manually
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 °C
EMC	in accordance with EN 61326 class B
Electrodes / Sensors	pH and redox (ORP) combination electrodes; pH, redox (ORP) or antimony measuring electrodes in connection with reference electrodes pH combination electrodes with integrated temperature sensor temperature sensors Pt 100 or Pt 1000
Electrical connection	MU 2000-F: faston connectors to DIN 46244/A; 4.8 x 0.8 mm pH/redox: BNC socket MU 2000: screw terminals in the strip compartment