

Multi channel redox potential (ORP) measurement for sewage, raw and waste water treatment

Multi channel redox potential (ORP) measuring system with column stand and protective roof incl. immersion housing for mounting in channels or open containers

1 piece

Multi Parameter Controller

microprocessor based Multi Parameter Controller for maximum 4 internal and up to 12 external measuring modules, with 4 pieces measuring modules for measuring of redox/ORP and temperature on separated measuring places or difference – or duplicate measurement; isolated inputs; electromagnetic compatibility to 89/336/EWG; EN 61326, NAMUR recommendation NE 21,

measuring ranges: -2,000 ... + 2,000 mV absolute or temperature compensated calculation of the redox potential in relation to the Standard Hydrogen Electrode in accordance with DIN 38404 T6; - 10 ... 130°C;

corrosion and weather resistant aluminium case with protection standard IP 65 (suitable for wall mounting and with additional accessory for post mounting) with strip compartment; power supply 115/230 V AC; 48 ... 63 Hz; about 25 VA; permissible ambient temperature -10°C ... 55°C; automatic temperature compensation; manual and automatic calibration; touch-screen display, back-lighted, for maximum 16 measuring parameters and device status; 4 analog outputs 0(4) ... 20 mA; measuring span for analog outputs free scaleable, digital interface RS-232 or RS-485 / CAN bus, integrated data logger (for about 50,000 values); log-book for storage of parameter alterations, calibration values and error registrations (about 200 activities); 4 on/off floating control relay outputs for switch and alarm function, configurable in any combination, maximum 5 A, 250 V AC, optional controller module with 2 selectable PID controller (for control of valves and dosing pumps) as constant analog-, pulse length- or pulse frequency controller

Type: KM 2000

1 piece

Column Stand with Protective Roof

column stand and protective roof for outdoor application of the Multi Parameter Controller and transient and lightning protection incl. all accessories for mounting; column stand with base plate, length 1,800 mm, material stainless steel 1.4571

Type: STWD 24

4 pieces

Immersion Housing

immersion housing with 1 sensor port PG 13.5 for redox/ORP combination electrode; cable sealing by cable gland; application in open channels by means of wall mounting and in closed containers by means of fasten flange, material PVC, shaft diameter 40 mm; shaft length 1,000 mm, max. temperature 50°C;

Type: ET 32-110

4 pieces

Redox/ORP Combination Electrode

glass stem \varnothing 12 mm, immersion length 120 mm, ring-shaped sleeve junction, platinum disk \varnothing 6 mm; reference system Ag/AgCl, 3 mol/l KCl, gel-filled (non refillable), low maintenance electrode, Euro-Standard PG 13.5 threaded plug head S7-system; temperature range -5 ... 80°C, max. pressure 6 bar

Type: EMC 173 I

4 pieces

Measuring Cable

low-noise coaxial cable for connection between Controller and redox/ORP combination electrode; S7 plug head connector (protection standard IP 65)/ second side stripped tinned ends for connection with Controller, cable \varnothing about 5 mm; standard length 10 m;

Type: K 43/10

1 piece

Accessories and Replacement Parts

250 ml redox buffer solution $U_H = 427$ mV, pH=7 (25°C) and 250 ml filling/storage solution 3 Mol KCl,

**Type: Redox Buffer Solution $U_H = 427$ mV, pH=7
Filling/Storage Solution 3 Mol KCl**