

Multi channel dissolved oxygen measurement for sewage, raw and waste water treatment

Multi channel on-line dissolved oxygen 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 dissolved oxygen 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: 0 ... 20 mg O₂ /l, 0 ... 120 % air saturation; -10 ... 50°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 16 for dissolved oxygen probe with built-in temperature probe Pt 1000; sensor take in for support of the minimum flow rate and self cleaning, immersion housing in shape angular (45° from vertical); cable sealing by cable glands; 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 32-111-O

4 pieces

Dissolved Oxygen Probe

heavy-duty membrane covered amperometric Clarck probe with built-in temperature probe Pt 1000 in 4 wire connection for automatic temperature compensation and temperature measurement, incl. accessories (1 piece exchange membrane head, electrolyte); zero current free, extremely rugged multi layer membrane; air bubbles refused, minimum flow rate 5 cm/s, immersion length 120 mm, ø 18 mm, process connection with PG 16 threaded sensor body, multipin SixPlug plug head connection system; measuring range 0 ...60 mg O₂/l, temperature range -5 ...50°C, max. pressure 3 bar above atmospheric;

Type: MF 39

4 pieces

Measuring Cable

rugged multipin screened measuring cable for connection between Controller and dissolved oxygen probe with built-in temperature probe Pt 1000, SixPlug plug head cable socket (protection standard IP 67)/ other side stripped tinned ends for connection with Controller, cable \varnothing about 5 mm, standard length 20 m

Type: **K 39/20**

1 piece

Accessories and Replacement Parts

maintenance kit with 2 pieces replacement membrane heads, 6 ampoules electrolyte solution

Type: **Maintenance Kit for Oxygen Probe MF 39**