

Multi parameter monitoring for surface, waste water and plant effluent (water quality monitoring station)

On-line multi parameter 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 respectively 1 piece measuring modules for measuring of dissolved oxygen/temperature, conductivity, pH value and turbidity; 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;

0 ... 100 mS/cm (auto range)

pH 0 ... 14

2 ... 100 FNU (NTU)

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); incl. PC visual software program MVremote for measuring, calibration, displaying, storage and export of measuring values to the PC with an adequate PC connection cable (length 5 m), 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 with MVremote

1 piece

Swing-type Holder with Column Stand and Protective Roof

for outdoor application of the Multi Parameter Controller, external measuring modules, power supply of the turbidity probe and protection against voltage surges (over voltage and lightning protection), column stand with base plate, length 1,800 mm, material stainless steel 1.4301 incl. all accessories for mounting, additionally equipped with a adjustable swing-type probe holder for an immersion housing, attached with a adjustable plastic chain, length probe holder 1.4 m

Type: STWD Q24

1 piece

Immersion Housing

immersion housing with 2 sensor ports PG 13.5 for pH combination electrode and conductivity cell;

1 sensor port PG 16 for dissolved oxygen probe with built-in temperature probe and 1 sensor port for turbidity probe, cable sealing by cable glands; handle stirrup for mounting with a adjustable plastic chain in connection with the swing – type holder, material PVC, shaft ø max. 125 mm, length about 500 mm, max. temperature 50°C,

Type: ET 32-410

1 piece

Dissolved Oxygen Probe with Measuring Cable

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, ϕ 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; sturdy multipin screened measuring cable for connection between Multi Parameter Analyzer 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 Analyzer, cable ϕ about 5 mm, standard length 5 m

Type: MF 39 with K 39/5

1 piece

Conductivity Cell with Measuring Cable

plastic body, ϕ 12 mm, immersion length 120 mm; 2 parallel graphite electrodes (made of special graphite), nearly maintenance free cell; with built-in temperature probe Pt 1000; cell constant about 1 cm⁻¹; Multipin PG 13.5 threaded SixPlug plug head; measuring range 0...20 mS/cm; temperature range - 5...80°C, max. pressure 6 bar; sturdy multipin screened cable for connection between Multi Parameter Analyzer and conductivity cell with built-in temperature probe Pt 1000, SixPlug plug head cable socket (protection standard IP 67)/other side stripped tinned ends for connection with Analyzer, cable ϕ about 5 mm; standard length 5 m;

Type: LTC 1/23 SMEK with K 18/5

1 piece

pH Combination Electrode with Measuring Cable

glass stem ϕ 12 mm, immersion length 120 mm, ring-shaped sleeve junction, zero point pH=7, gel-filled (non refillable), low maintenance electrode, Euro-Standard PG 13.5 threaded plug head S7-system; pH-range 0 ... 14; temperature range - 5 ... 80°C, max. pressure 6 bar; low-noise coaxial measuring cable for connection between Multi Parameter Analyzer and pH combination electrode, S7 plug head connector (protection standard IP 65)/second side stripped tinned ends for connection with Analyzer, cable ϕ about 5 mm; standard length 5 m;

Type: EGA 173 I with K 43/5

1 piece

Turbidity Probe with Power Supply and Connection Cable

turbidity probe in accordance with the measuring principle 90° scattered-light measurement with pulsed infrared light (standard ISO 7027/EN 27027), wave length 920 nm, 4-beam pulsed light method, recommended for medium turbidity ranges, automatic compensation for temperature, intensity and sensitivity changes of the measuring signal; probe body stainless steel 1.4571, length 137 mm, ϕ 38 mm, screw-mounted cap R 1'', fixed cable length 13 m with watertight plug (protection standard IP 68); incl. power supply unit N 15/20 for turbidity probe, output signal from the probe is connected via the power supply with the Analyzer, measuring range 5 ... 100 NTU (special version 5...1000 NTU); temperature range 0...50°C, max. pressure 6 bar

Type: SSN-T

1 piece

Accessories and Replacement Parts

triple – set NBS – Standard Buffer Solution 1000 ml pH 4.01; pH 6.87; pH 9.18 (pH value 25°C); 250 ml cleaning solution, re-conditioning solution and filling/storage solution 3 Mol KCl, 250 ml conductivity standard solution 0.1 N KCl (12.9 mS/cm, 25°C), maintenance kit with 2 pieces replacement membrane heads, 6 ampoules electrolyte solution

Type: NBS-Standard Buffer Solutions; Maintenance Kit pH

Conductivity Standard Solution 0.1 N KCl

Maintenance Kit for Oxygen Probe MF 39