

Multi channel pH measurement for sewage, raw and waste water treatment

Multi channel on-line pH 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 pH/redox 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: pH 0 ... 14; - 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 pH combination electrode with built-in temperature probe; optional integration of one pre-amplifier possible (for distances between measuring instrument and measuring point ≥ 10 m), 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

pH Combination Electrode with built – in temperature probe

glass stem \varnothing 12 mm, immersion length 120 mm, ring-shaped sleeve junction, zero point pH=7, gel-filled (non refillable), low maintenance electrode, built-in temperature probe Pt 1000, Multipin PG 13.5 threaded SixPlug plug head; pH-range 0 ... 14; temperature range -5 ... 80°C, max. pressure 6 bar

Type: EGA 143 SMEK

4 pieces

Measuring Cable

low-noise triaxial cable for connection between Controller and pH combination electrode with built-in temperature probe; SixPlug plug head cable socket (protection standard IP 67)/second side stripped tinned ends for connection with Controller, cable \varnothing about 5 mm; standard length 10 m;

Type: K 54/10

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,

Type: NBS-Standard Buffer Solutions; Maintenance Kit pH