

## Multi channel conductivity measurement for water and waste water treatment

### Multi channel on-line conductivity 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 conductivity 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 ... 100 mS/cm; -10 ... 80°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 conductivity cell with built-in temperature probe; 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

#### **Conductivity Cell**

plastic body,  $\varnothing$  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<sup>-1</sup>; Multipin PG 13.5 threaded SixPlug plug head; measuring range 0...20 mS/cm; temperature range -5...80°C, max. pressure 6 bar

**Type: LTC 1/23 SMEK**

4 pieces

#### **Connection Cable**

rugged multipin screened cable for connection between Controller 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 Controller, cable  $\varnothing$  about 5 mm; standard length 10 m;

**Type: K 18/10**

1 piece

#### **Accessories and Replacement Parts**

1000 ml conductivity standard solution 0.1 N KCl (12.9 mS/cm, 25°C)

**Type: Conductivity Standard Solution 0.1 N KCl**