

Ordering data single components:

	Article	Article no.
	Basic unit	
	Versatronic basic unit incl. operating instructions	155201
	Measuring module	
	Measuring module Plug-in card Ci (inductive conductivity)	255250
	Measuring module Plug-in card Cr (conductive conductivity)	255251
	Measuring module Plug-in card pH/Redox	255252
	Input Plug-in card	
	Plug-in card, universal input	255253
	Plug-in card, binary input (3 make contacts)	255254
	Output Plug-in card	
	Plug-in card, analog output (0/4 - 20 mA)	255255
	Plug-in card, binary output (1 change-over contact)	255256
	Plug-in card, binary output (2 make contacts)	255257
	Plug-in card, binary output (2 x PhotoMOS)	255258
	Plug-in card, binary output (1 x TRIAC)	255259
	Plug-in card, power supply +/-5 V, 24 V	255260
	Interface Plug-in card	
	Plug-in card, Profibus-DP interface	255261
	Plug-in card, Ethernet interface	255262

Article	Article no.
USB host socket	255263
Ethernet RJ-45 plug for self-assembly	255266
Panel mounting set	255267
Cable gland set Versatronic	255268
Resistor box for Ci basic adjustment/calibration adapter	255269
USB cable with plug USB/A - USB/B, length: 3 m	255273
Software	
Setup software Versatronic (CD)	255264
Software PCA 3000	255270
Software PCC	255271
Function extension	
Unlock code for registration function	255265

Inductive conductivity measurement probes with integrated temperature sensor

Construction:	Oval spherical cap, streamline-shaped with 8 mm meter flume diameter
Material:	PVDF
Dimensions:	39 x 50 (Ø * h)
Pressure resistance:	PN = 10 bar at 20 °C
Temperature resistance:	max. 120 °C
Temperature sensor:	PT100
Time of response of temperature sensor in measurement cell:	approx. 30 s (90 % value) with stainless steel sensor
Material sensor's protecting tube:	Stainless steel, 1.4571
Sealing element:	O-ring, EPDM 281
Length connection cable:	10 m
Type of lead:	7-pin special measurement lead
Measuring lead connection:	prefabricated for terminal connection

Article

Material No.



Conductivity measuring probe as above, with adapter
for PP flow fitting or PVC flow fitting

255202

Measuring probe material: PVDF
Adapter material: PVDF



Calibration adaptor for conductivity basic adjustment
with simulation resistances for five measuring ranges

2551269



Flow fitting

287514

Material: PVC
Temperature resistance: up to 50 °C
Connections: d40 adhesive muffs

Article
Material No.

**Conductive conductivity measurement probe
as described above**

255143

installed in PVC flow fitting seat

Temperature: max. 55 °C

Connections: d 32 adhesive muffs


Calibration box for bleeding (conductive)
with simulation resistances

255199

for the measurement ranges 0 ... 5, 0 ... 50, 0 ... 500 $\mu\text{S/cm}$

Article
Material No.

pH-Combination Electrode

with screw-in thread PG 13.5 and plug-in screw connection, glass shaft = 120 mm, Ø = 12 mm, collector Ag/AgCl, sintered.

pH-Combination Electrode

418853008

with dirt-repelling PTFE-circular diaphragm

pH range: 0 - 12

Temperature range: -15 °C ...+80 °C

Pressure: up to 6 bar

Minimum conductivity: 100 µS/cm

Redox Combination Electrode

418853010

with screw-in thread PG 13.5 and plug-in screw connection, glass shaft Ø = 12 mm, L = 120 mm, platinum electrode, Ag/AgCl sintered collector, in KCl gel, ceramic diaphragm
 Temperature up to approx. 80 °C


Temperature sensor Pt 100

418853004

with PG 13.5 screw-in thread and screw connection
 glass shaft Ø = 12 mm, L = 120 mm
 Temperature up to 100 °C


Article
Material No.
Impedance converter

418853005

We recommend the installation of the impedance converter in order to prevent negative influences on the measurement signal of pH-measurement due to electrical fields of near live wires, dirt or moistures.

The impedance converter is also used to short-out higher distances (more than 10 m) between measurement chain and measurement unit.

The impedance converter is screwed onto the measurement chain directly.

The delivery performance includes also a battery (live approx. 5 years).

Internal resistance: $R_i \leq 5 \Omega$

Permitted surrounding temp.: -10...+50 °C

Permitted storing temp.: -10...+60 °C

Housing: PVC

Length: 108 mm

Weight: 0.09 kg


Connection cable with rotating matching plug for Redox measurement

Length 2 m

418853101

Length 5 m

418853102

Length 10 m

418853103

Length 20 m

418853104

Connection cable (doubly shielded) with rotating matching plug for pH-measurement

Length 5 m

418853106

Length 10 m

418853107

Length 15 m

418853108

Length 20 m

418853109

Connection cable (3-conductor connection) with rotating matching plug for temperature-measurement

255197

Length 10 m

Connection cable (doubly shielded) with rotating matching plug for pH electrode with integrated temperature sensor Pt 100

on request

Length 10 m


Article
Material No.

Buffer solutions

pH 4,01 20 ml
pH 7,00 20 ml
pH 9,21 20 ml

418853125
418853126
418853127

pH 4,01 1 l
pH 7,00 1 l
pH 9,21 1 l

418853121
418853122
418853123

Redox-buffer solution 468 mV 250 ml

418853124


Detergent for Combination pH and ORP/Redox Electrodes

418853128

Pepsin-hydrochloric acid solution 250 ml


Angle seat flow fitting

418853202

for Combination pH or ORP/Redox Electrodes

Material: transparent PVC
Operational temperature: max. 60 °C
Pressure resistance: 10 bar (at 20 °C)
 5 bar (at 40 °C)
 1 bar (at 60 °C)
Nominal diameter: DN 25, 1" (d = 32)
Connections: d32 adhesive muffs


Flow fitting

418853213

for 3 measuring probes

Material: PP
Angle support: stainless steel
Operational temperature: max. 80 °C
Pressure resistance: 10 bar (at 20 °C)
Connection thread: G1/2
Hose connection: 6/12 mm (int. Ø/ext. Ø)



Article

Material No.

Motor driven ball cock

on request

Type:	closed when currentless
Nominal voltage:	230 V AC 50/60 Hz
Nominal width	DN20
Material	
Armature:	brass nickel-plated
Closing body and spindle:	stainless steel
Spindle seal:	O-ring, EPDM
Ball seat:	PTFE, O-ring Viton