



## Suitable sensors for DS 500 mobile, DS 400 mobile, PI 500, DP 510, LD 510

### Flow meters for installation and removal under pressure (insertion type)



VA 500



VA 550

#### FLOW METERS INSERTION-VERSION

VA 500 flow meter, max. version (185 m/s), probe length 220 mm, incl. 5 m connection cable to mobile devices

VA 500 flow meter, high-speed version (224 m/s), probe length 220 mm, incl. 5 m connection cable to mobile devices

VA 550 Flow meter, measuring head in robust aluminium die casting housing

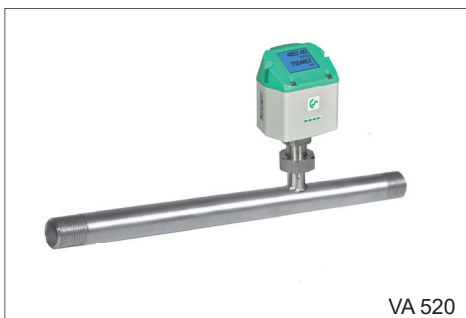
#### ORDER NO.

0695 1124

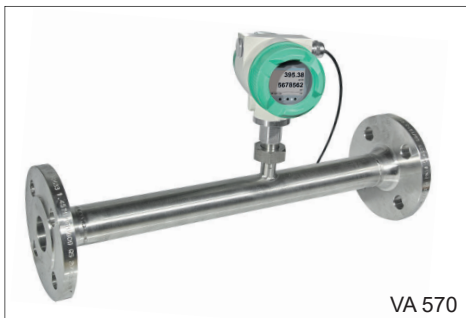
0695 1125

0695 0550  
+ order code  
A...M...\_

### Inline flow meter



VA 520



VA 570

#### FLOW METERS INLINE VERSION

Flow meter VA 520 with integrated measuring section, (R 1/4" DN 8)

Flow meter VA 520 with integrated measuring section, (R 1/2" DN 15)

Flow meter VA 520 with integrated measuring section, (R 3/4" DN 20)

Flow meter VA 520 with integrated measuring section, (R 1" DN 25)

Flow meter VA 520 with integrated measuring section, (R 1 1/4" DN 32)

Flow meter VA 520 with integrated measuring section, (R 1 1/2" DN 40)

Flow meter VA 520 with integrated measuring section, (R 2" DN 50)

Inline flow meter VA 570 with integrated 1/2" measuring section

Inline Flow meter VA 570 with integrated 3/4" measuring section

Inline Flow meter VA 570 with integrated 1" measuring section

Inline Flow meter VA 570 with integrated 1 1/4" measuring section

Inline flow meter VA 570 with integrated 1 1/2" measuring section

Inline Flow meter VA 570 with integrated 2" measuring section

#### ORDER NO.

0695 0520

0695 0521

0695 0522

0695 0523

0695 0526

0695 0524

0695 0525

0695 0570  
+ order code  
A...K\_

0695 0571

0695 0572

0695 0573

0695 0574

0695 0575



FA 510

#### DEW POINT SENSORS

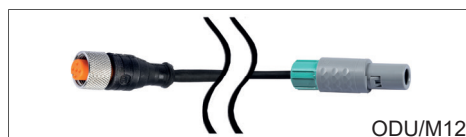
FA 510 dew point sensor, -80...+20 °Ctd incl. measuring chamber mobile and 5 m connection cable to mobile devices

FA 510 dew point sensor, -20...+50 °Ctd incl. measuring chamber mobile and 5 m connection cable to mobile devices

#### ORDER NO.

0699 1510

0699 1512



ODU/M12

#### CONNECTION CABLE FOR VA 500/520 AND FA 510 SENSORS

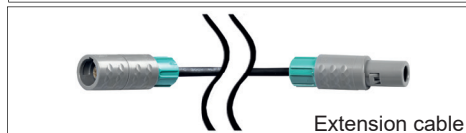
Connection cable for VA / FA sensors to mobile devices, ODU/M12, 5 m

Extension cable for mobile instruments, ODU / ODU, 10 m

#### ORDER NO.

0553 1503

0553 0504



Extension cable



#### CALIBRATION CERTIFICATES FOR FLOW METERS AND DEW POINT SENSORS

5 point precision calibration for flow sensors incl. ISO certificate

Precision calibration at -40 °Ctd with ISO certificate

#### ORDER NO.

3200 0001

0699 3396



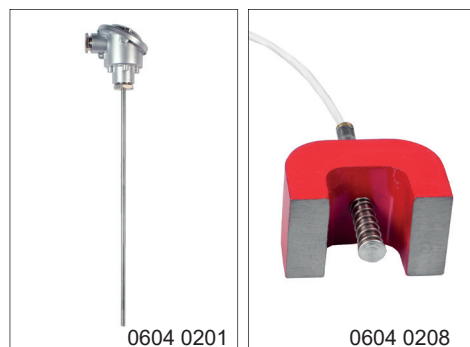
## Suitable sensors for DS 500 mobile, DS 400 mobile, PI 500, DP 510, LD 510



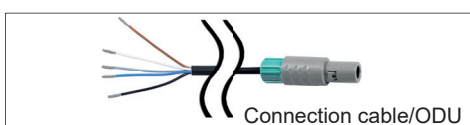
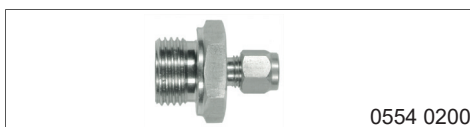
PRESSURE SENSORS	± 1%	± 0,5%
	ACCURACY	ACCURACY
Standard pressure probe CS 16, 0...16 bar	0694 1886	0694 3555
Standard pressure probe CS 40, 0...40 bar	0694 0356	0694 3930
Standard pressure probe CS 1.6, 0...1.6 bar abs.		0694 3550
Standard pressure probe CS 10, 0...10 bar	0694 3556	0694 3554
Standard pressure probe CS 100, 0...100 bar		0694 3557
Standard pressure probe CS 250, 0...250 bar		0694 3558
Standard pressure probe CS 400, 0...400 bar		0694 3559
Precision pressure probe CS -1...+15 bar, ± 0.5 % accuracy of. f.s.		0694 3553
Differential pressure probe 1.6 bar diff.		0694 3561
Calibration certificate pressure, 5 calibration points for the whole measuring range	3200 0004	



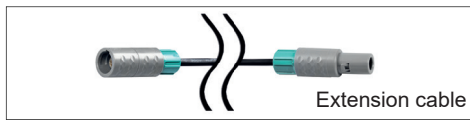
DIGITAL PRESSURE SENSORS	± 1%	± 0,5%
	ACCURACY	ACCURACY
Digital pressure probe DPS 16, 0...16 bar RS 485, G1/2"	0694 2886	0694 4555



TEMPERATURE SENSORS	ORDER NO.
Bendable temperature sensor PT 100 (2-wire) class B, length: 300 mm, d=3 mm, -70...+500 °C, connection cable 2 m PFA with ODU plug (8-pin) to mobile devices	0604 0200
Screw-in temperature sensor PT 100 class A, length 300 mm, d = 6 mm, with measuring transducer 4...20 mA = -50 °C...+ 500 °C (2-wire)	0604 0201
Cross-band surface probe, thermocouple type K with measuring transducer 4...20 mA = 0°C...+180 °C, 2 m cable PVC with ODU plug (8-pole) to mobile devices	0604 0202
Cable temperature sensor PT 100 class A (4-wire), length: 300 mm, d = 6 mm, -70 ... +260 °C, 5 m connection cable PFA with open ends	0604 0205
Cable temperature sensor PT 100 class A (4-wire), length: 100 mm, d = 6 mm, -70...+260 °C, 5 m connection cable PFA with open ends	0604 0206
Cable temperature sensor PT 100 class A (4-wire), length: 200 mm, d = 6 mm, -70...+260 °C, 5 m connection cable PFA with open ends	0604 0207
Magnetic surface temperature sensor, holding magnet 39x26x25 mm, PT 100 class B (2-wire), -30...+180 °C, 5 m connection cable PFA with open ends	0604 0208
Compression fitting; 6 mm; G 1/2" PTFE clamping ring pressure-tight up to 10 bar. Material: stainless steel, application area: max. + 260 °C	0554 0200
Compression fitting; 6 mm; G 1/2" stainless steel clamping ring. Pressure-tight up to 16 bar, material: stainless steel, application area: max. + 260 °C	0554 0201
Calibration certificate temperature, 2 calibration points	0520 0180

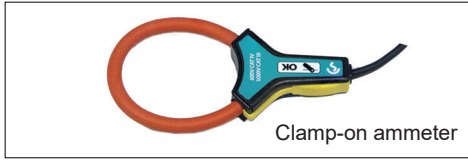


CONNECTION CABLES FOR PRESSURE SENSORS / TEMPERATURE SENSORS	ORDER NO.
Connection cable for pressure, temperature or third-party sensors on mobile devices, ODU/open ends, 5 m	0553 0501
Connection cable for pressure, temperature or third-party sensors on mobile devices, ODU/open ends, 10 m	0553 0502
Extension cable for mobile instruments, ODU / ODU, 10 m	0553 0504
ODU plug for connection to mobile devices	Z604 0104





## Suitable sensors for DS 500 mobile, DS 400 mobile, PI 500, DP 510, LD 510



Clamp-on ammeter

### CLAMP-ON AMMETERS

- Clamp-on ammeter 0...1000 A TRMS incl. 3 m connection cable
- Clamp-on ammeter 0...400 A TRMS incl. 3 m connection cable

### ORDER NO.

- 0554 0519
- 0554 0511

## Suitable sensors for DS 500 mobil, DS 400 mobil, PI 500



### CURRENT/EFFECTIVE POWER METER

- CS PM 600 mobile current/effective power meter up to 100 A
- CS PM 600 mobile current/effective power meter up to 600 A

### ORDER NO.

- 0554 5341
- 0554 5342

- Mobile current/effective power meter with 3 external current transformers for big machines and systems
- External current transformers for encompassing the phases (100 A or 600 A)
- External magnetic measuring tip for picking off the voltage – measures kW, kWh, cos, phi, Var, kVA
- Data transfer to DS 500 mobile / DS 400 mobile via Modbus
- Incl. connection cable for mobile current/effective power meter, 5 m

Current transformer 100A/1A consisting of 3 transformers for mobile instruments

Z554 0001

Current transformer 600A/1A consisting of 3 transformers for mobile instruments

Z554 0002

Current transformer 1000A/1A consisting of 3 transformers for mobile instruments

Z554 0003



### ANY THIRD-PARTY SENSOR CONNECTABLE

Additionally, any third-party sensors with the following signal outputs can be connected:

- 4-20 mA
- 0-20 mA
- 0-1 V/0-10 V/0-30 V
- Pt 100 (2- or 3-wire)
- Pt 1000 (2- or 3-wire)
- Pulse outputs (e. g. of gas meters)
- Frequency output
- Modbus protocol

Third-party sensors  
0 - 1/10 V

Third-party sensors  
RS 485 Modbus RTU

Third-party sensors  
Pulse

Third-party sensors  
0/4...20 mA

