



IDS conductivity cells

Two important parameters affect conductivity measurements: the cell constant and temperature compensation. Both must be specified manually when using different cells and analogue meters. With IDS conductivity cells, these data are transferred automatically - a clear advantage in measurement reliability!

- **Proven two or four electrode technology**
- **Easiest handling, robust design**
- **Broad application range from ultrapure water up to highly concentrated solutions**

IDS graphite cells for universal use

- TetraCon® 925(-P)

Universal measuring cell for laboratory and field

IDS Graphite measuring cells for special applications

- TetraCon® 925/C

Modified measuring cell with acid-proof PEEK head

- TetraCon® 925/LV(-P)

Measuring cell for small volumes and viscous samples

Two electrode ultrapure water measuring cell

- LR 925/01(-P)

Two electrode measuring cell for conductivities up to 200 $\mu\text{S}/\text{cm}$



from left to right: the digital IDS sensors and wireless ready IDS plug head electrodes (1) TetraCon® 925, (2) TetraCon® 925-P, (3) TetraCon® 925 / C, (4) TetraCon® 925 / LV, (5) TetraCon® 925 / LV-P, (6) LR 925/01, (7) LR 925/01-P

Specifications and order information: IDS conductivity cells

Universal applications:

	TetraCon® 925	TetraCon® 925-3	TetraCon® 925-P
Order number	301710	301711	301716
Type	4 electrode	4 electrode	4 electrode
Electrode material	Graphite	Graphite	Graphite
Flow through vessel	-	-	-
Shaft material	Epoxy	Epoxy	Epoxy
Shaft length	120 mm	120 mm	120 mm
Cell constant	0.475 cm ⁻¹	0.475 cm ⁻¹	0.475 cm ⁻¹
Diameter	15.3 mm	15.3 mm	15.3 mm
Measurement range	1 µS/cm to 2000 mS/cm	1 µS/cm to 2000 mS/cm	1 µS/cm to 2000 mS/cm
Temperature range	0 to 100 °C	0 to 100 °C	0 to 100 °C
Temperature sensor	NTC 30 kOhm	NTC 30 kOhm	NTC 30 kOhm
min./max. immersion depth	36/120 mm	36/120 mm	36/120 mm
Cable length	1.5 m*	3 m	1.5 ... 100 m, wireless, pressure resistant up to 10 bar

Special applications

	TetraCon® 925/C	TetraCon® 925/LV	TetraCon® 925/LV-P
Order number	301721	301718	301719
Type	4 electrode	4 electrode	4 electrode
Electrode material	Graphite	Graphite	Graphite
Shaft material	Epoxy	Epoxy	Epoxy
Shaft length	120 mm	120 mm	120 mm
Cell constant	0.475 cm ⁻¹	0.469 cm ⁻¹	0.469 cm ⁻¹
Diameter	15.3 mm	15.3 mm	15.3 mm
Measurement range	1 µS/cm ... 2000 mS/cm	1 µS/cm ... 2000 mS/cm	1 µS/cm ... 2000 mS/cm
Temperaturbereich	0 ... 100 °C	0 ... 100 °C	0 ... 100 °C
Temperature sensor	NTC 30 kOhm	NTC 30 kOhm	NTC 30 kOhm
min./max. immersion depth	36/120 mm	16/120 mm	
Cable length	1.5 m	1.5 m	1.5 ... 100 m, wireless, pressure resistant up to 10 bars

Ultra pure water applications

	LR 925/01	LR 925/01-P
Order number	301720	301722
Electrode material	Stainless steel V4A	Stainless steel V4A
Flow through vessel	Glass	Glass
Shaft material	Stainless steel V4A	Stainless steel V4A
Shaft length	120 mm	120 mm
Cell constant	0.1 cm ⁻¹	0.1 cm ⁻¹
Diameter	12 mm	12 mm
Measurement range	0.01 ... 200 µS/cm	0.01 ... 200 µS/cm
Temperature range	0...100 °C	0...100 °C
Temperature sensor	NTC 30 kOhm	NTC 30 kOhm
Volume	17 ml (without sensor)	17 ml (without sensor)
min./max. immersion depth	30/120 mm	30/120 mm
Cable length	1.5 m	1.5 ... 100 m, wireless