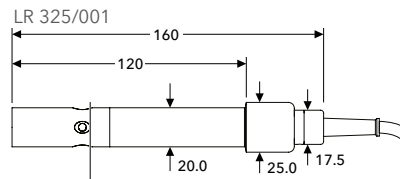
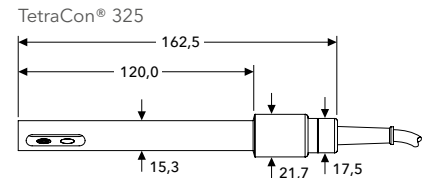
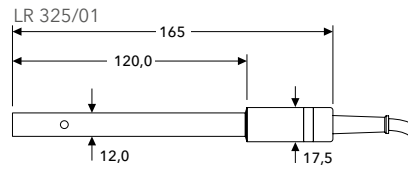
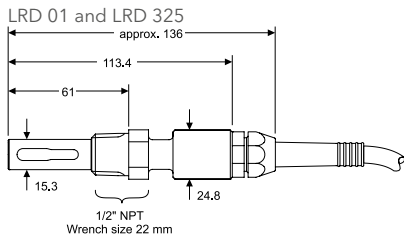


Analog conductivity measuring cells



The analog conductivity measuring cells are equipped with an integrated temperature compensation and cover all applications

We would like to inform you about the application range on our website



Minimum immersion depth 40 mm

Technical Data

Model	LRD 01	LRD 325	LR 325/01	LR 325/001	TetraCon® 325	TetraCon® DU/T
Measuring principle	Conductometric (2 electrode cell)	Conductometric (4 electrode cell)	Conductometric (2 electrode cell)		Conductometric (4 electrode cell)	
Measuring Range	0.001 µS/cm ... 200 µS/cm	1 µS/cm ... 2 S/cm	0.001 µS/cm ... 200 µS/cm	0.0001 µS/cm ... 30 µS/cm	1 µS/cm ... 2 S/cm	
Cell constant	0.1 cm ⁻¹ , ±2%	0.475 cm ⁻¹ , ±1.5%	K = 0.1 cm ⁻¹	K = 0.01 cm ⁻¹	K = 0.475 cm ⁻¹	K = 0.778 cm ⁻¹
Resolution	Depends on measuring range					
Temperature sensor	Integrated NTC					
Temperature Measurement	0 °C ... +130 °C	0 °C ... +100 °C	-5 °C ... 80 °C		0 °C ... 60 °C	
Maximum pressure	14 bar (at 20 °C)	10 bar (at 20 °C)	2 bar			
Electrical Connection	Integrated PU connection cable with 7-pole screw plug (IP 65)		Integrated cable mit 8-pole plug			8-pole socket for cable KKDU 325
Mechanical	Shaft	Stainless steel 1.4571			Epoxy	POM
	Kable gland	Brass, nickel-plated		–	–	–
	Connection head	–	POM			–
	Electrodes	Stainless steel 1.4571	Graphite	Stainless steel 1.4571		Graphite
	Protection Rating	IP68 Measuring cell until screw-in length		IP68 (Sensor with connection cable)		IP65 in plugged condition
Weight (without cable)	Approx. 350 g	Approx. 300 g	Approx. 135 g	Approx. 280 g	Approx. 135 g	Approx. 170 g
Warranty	2 years on defects in quality according to § 10 terms of conditions					

Model	Description	Order No.
TetraCon® 325	4 electrodes measuring cell, with integrated temperature sensor, cell constant K=0.475 cm ⁻¹ , cable length 1.5 m	301960
TetraCon® 325-3	Like TetraCon® 325, but cable length 3 m	301970
TetraCon® 325-6	Like TetraCon® 325, but cable length 6 m	301971
LRD 01-1,5	2 electrodes measuring cell to be screwed into pipe, with integrated temperature sensor, cable length 1.5 m	302220
LRD 01-7	Like LRD 01-1,5, but cable length 7 m	302222
LRD 325-1,5	4 electrodes measuring cell to be screwed into pipe, with integrated temperature sensor, cable length 1.5 m	302225
LRD 325-7	Like LRD 325-1,5, but cable length 7 m	302229
LR 325/01	Conductivity measuring cell for ultrapure water, with integrated temperature sensor, cell constant K=0.1 cm ⁻¹ , Glass flow cell	301961
LR 325/001	Conductivity measuring cell for trace measurement, with integrated temperature sensor, cell constant K=0.01 cm ⁻¹ , Stainless steel flow cell	301962
TetraCon DU/T	4 electrodes flow measuring cell, with integrated temperature sensor, cell constant: K=0.0778 cm ⁻¹	301252

