



LFS.1505.2L.20-4



Conductivity sensor

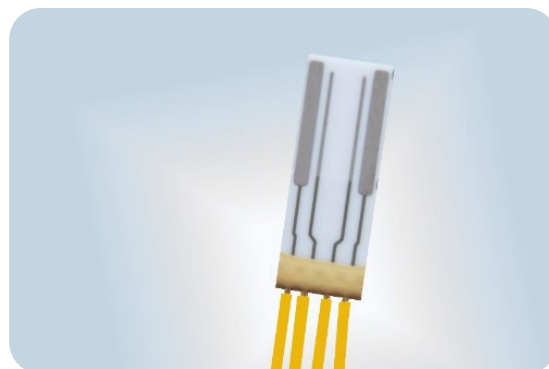


Low-cost alternative without integrated temperature sensor

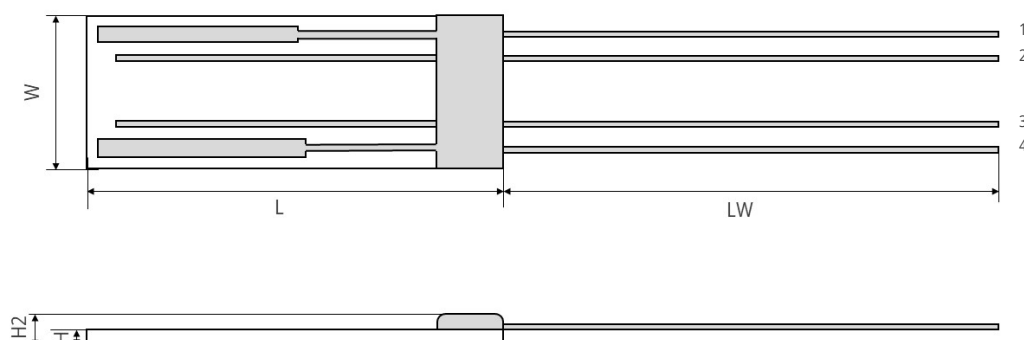


Benefits & characteristics

- Wide conductivity range
- Fast response time
- Optimal accuracy
- Resistance to various chemicals ¹⁾
- Excellent long-term stability
- Four-electrode measurement
- Customer-specific sensor available upon request



Dimensions and pin assignment



Dimensions [mm]	L	B	H	H2	LW
	15 ± 0.3	5.5 ± 0.3	0.6 ± 0.1	1.3 ± 0.3	20 ± 1
Lead wires	Cu/Ag stranded wires, AWG28/7				
Pin assignment	1	2	3	4	
I: applied current	I1	V1	V2	I2	
V: measured voltage					

¹⁾ Aggressive media can influence the long-term stability. Chemical resistance of the sensor in the end application must be tested by the customer



General specifications



Conductivity range: 100 $\mu\text{S}/\text{cm}$ to 100 mS/cm

Cell constant: Typical 0.68 cm^{-1}



Measurement frequency range: 100 Hz to 10 kHz



Maximum excitation voltage (between pin 1 and pin 4): < 0.7 V_{pp} (electrolysis of the analyte has to be avoided)



Operating temperature range: -30°C to +100°C

Storage temperature: -20°C to +100°C



Order Information



Order code	Product name
154008	LFS.1505.2L.20-4



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