

LE93 4-electrode Conductivity / Concentration Sensor

LECOL LE93 4-electrode conductivity / concentration sensor was designed for high range conductivity applications. The applications include the following:

- **Caustic & salt conductivity**
- **Caustic & salt concentration**
- **Oil and water interface**
- **Clean-in-place control**
- **Liquid interface**



The 4-electrode sensor design offers improvements over 2-electrode products. The extra pair of electrodes compensates for polarization of ions within the liquid thus offers high accuracy and much larger measurement range.

LE93 4-electrode conductivity / concentration sensors may be installed in-line or through a flow cell using a 3/4" NPT process connection.

316 SS body and electrodes ensure that the LE93 is well suited for harsh industrial applications.

The detachable cable makes installation and maintenance fast and simple.

Measuring ranges are from 0~ 2,000,000 μ S/cm. Temperature compensation within the sensor ensures accurate measurement in changing processes.

A choice of PT100 / PT1000 temperature elements allows compatibility with all major brands of transmitters.

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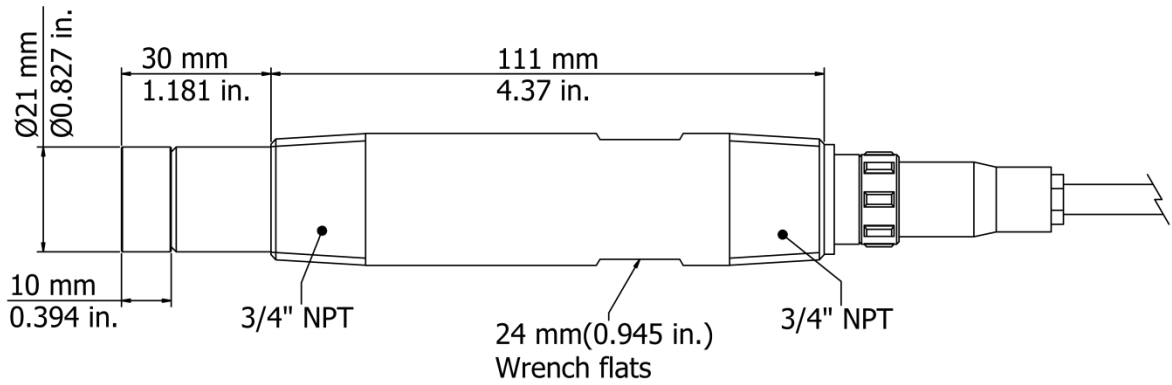
Specifications

Measuring range:	0~2,000,000 $\mu\text{S}/\text{cm}$
Body material:	316 SS (In-line)
Electrodes material:	316 SS
O-ring material:	Viton, FFKM (Optional)
Insulator material:	PEEK
Temperature compensator:	PT100 / PT1000
Operating pressure:	< 10kg/cm ² (In-line)
Operating temperature:	< 120 °C
In-line mounting accessory (optional):	Flow chamber with FNPT threaded connection or flange connection flow chamber.

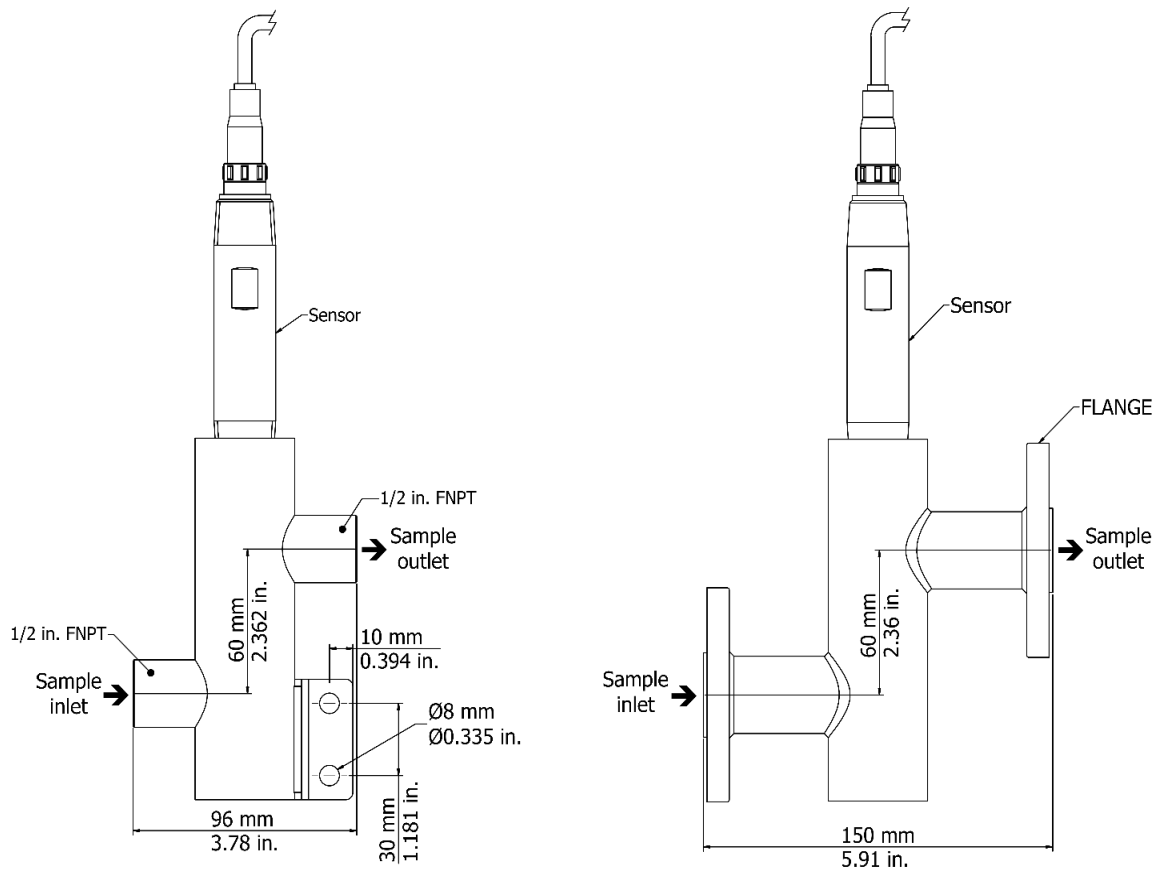


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In-line/ Immersion type



Installation



Flow chamber- 1/2 in. FNPT connection

Flow chamber- flange connection

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Ordering information

4-electrode Conductivity / Concentration Sensor Model: LE93		(-)	(-)	(-)	(-)	(-)
A Body style		(A)				
0	In-line / Flow through					
B Temperature compensator			(B)			
0	None					
1	PT100, tinned leads					
2	PT1000, tinned leads					
C O-ring Material				(C)		
0	Viton					
1	FFKM					
D Cable length					(D)	
1	3M					
2	6M					
3	10M					
4	15M					
5	30M					
E Accessory						(E)
0	None					
	Flow Chamber 316 SS					
1	1/2 in. NPT connection	_____		P/N:LEFC24-ST12		
2	1/2 in. 150#RF	_____		P/N:LEFC24-SF12		
3	3/4 in. 150#RF	_____		P/N:LEFC24-SF34		
4	1 in. 150#RF	_____		P/N:LEFC24-SF11		

*LECOL reserve the right to make technical changes or modify the contents of this document without prior notice.



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