

## LE91 2-electrode Conductivity Sensor

LECOL LE91 2-electrode conductivity sensor is easily installed for in-line / flow through applications with 3/4 inch NPT process connection.

The detachable cable makes installation and maintenance fast and simple.

Corrosion resistant 316 stainless steel construction is well suited for harsh environment applications. Several optional cell constants provide different measuring ranges from 0~2  $\mu\text{S}/\text{cm}$  to 0~2000  $\mu\text{S}/\text{cm}$ .

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.

The 2-electrode conductivity sensors are best suited for low conductivity applications such as purified water.

The PEEK insulation can be used at higher temperatures up to 120 °C.



### Measurement range

Cell = 0.01 0~2 to 0~200  $\mu\text{S}/\text{cm}$

Cell = 0.1 0~20 to 0~2000  $\mu\text{S}/\text{cm}$

### Applications

- Pure water (low conductivity)
- Boiler-feed water quality
- Cooling tower water
- Water for injection (biopharma)
- Potable water
- Distilled water
- Water for injection (biopharma)

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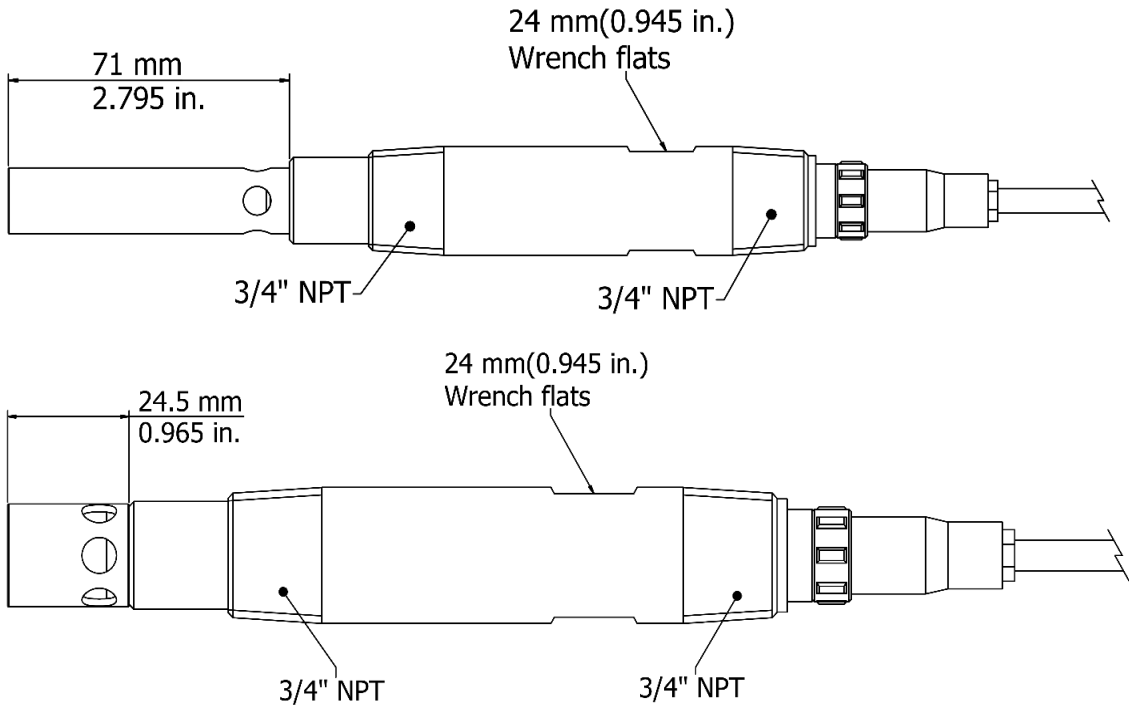
## Specifications

Material:	Body: 316 SS Electrodes: 316 SS O-ring: Viton, FFKM(Optional) Insulator: PEEK
Temperature element:	PT100 / PT1000
Operating pressure:	< 10kg/cm <sup>2</sup> , In-line type
Operating temperature:	< 120 °C
Accessory (optional):	In-line mounting : flow chamber with FNPT threaded connection or flange connection flow chamber.

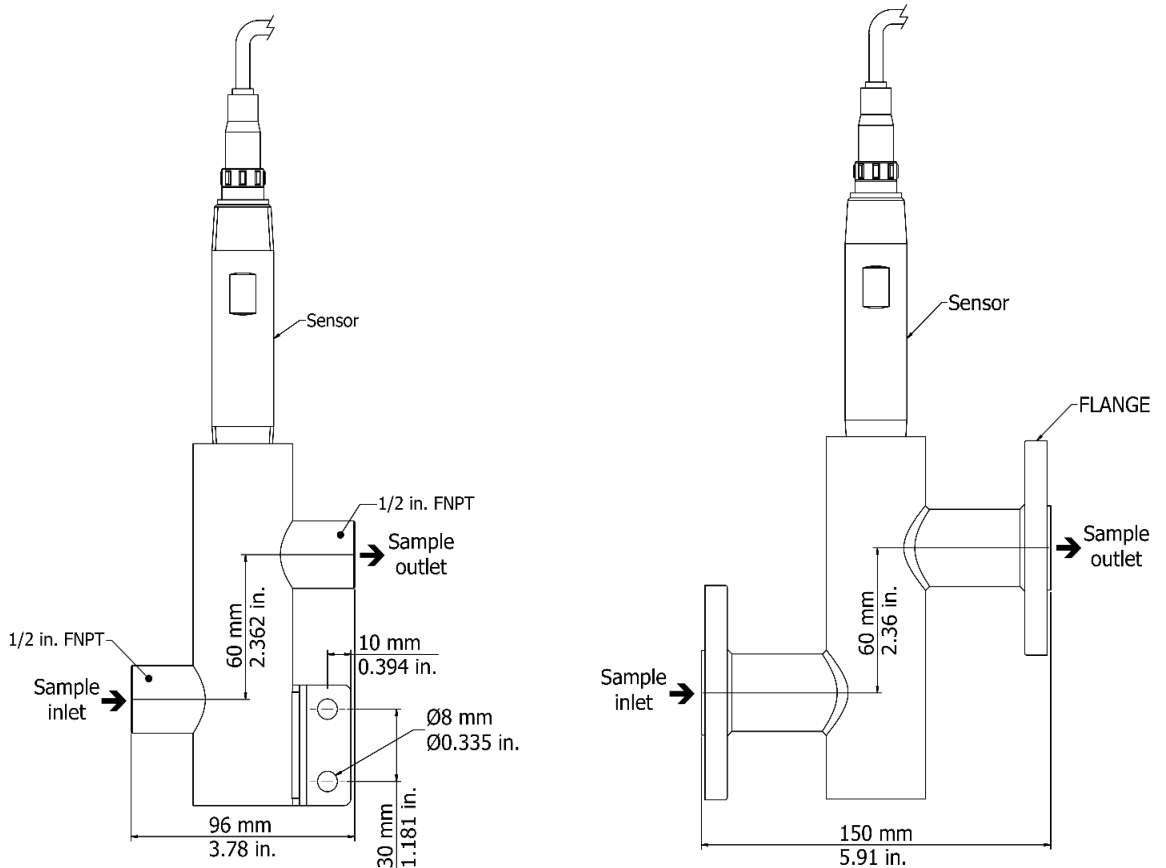


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## In-line/ Immersion type



## Installation



Flow chamber- 1/2 in. FNPT connection

Flow chamber- flange connection



## Ordering information

<b>Threaded 2-electrode Conductivity Sensor Model: LE91</b>		(-)	(-)	(-)	(-)	(-)	(-)
<b>A</b>	<b>Body style</b>	(A)					
0	In-line / Flow through						
<b>B</b>	<b>Cell constant</b>		(B)				
0	0.01: 0~2 to 0~200 $\mu\text{S/cm}$						
1	0.1 : 0~20 to 0~2000 $\mu\text{S/cm}$						
<b>C</b>	<b>Temperature compensator</b>			(C)			
0	None						
1	PT100, tinned leads						
2	PT1000, tinned leads						
<b>D</b>	<b>O-ring material</b>				(D)		
0	Viton						
1	FFKM						
<b>E</b>	<b>Cable length</b>					(E)	
1	3M						
2	6M						
3	10M						
4	15M						
5	30M						
<b>F</b>	<b>Accessory</b>						(F)
0	None						
1	Flow Chamber 316 SS						
2	1/2 in. NPT connection	_____	P/N:LEFC24-ST12				
3	1/2 in. 150#RF	_____	P/N:LEFC24-SF12				
4	3/4 in. 150#RF	_____	P/N:LEFC24-SF34				
5	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.



### Luh Cherng Enterprises co., Ltd.

No. 42, Mei-shan Rd., Niasong Dist., Kaohsiung  
City 83346, Taiwan

TEL : +886 7 7336377 FAX : +886 7 7336353

E-mail : sales@lecoltw.com

Website : [www.lecoltw.com](http://www.lecoltw.com)

