

LAKESWOOD INSTRUMENTS

SERIES 540

2-ELECTRODE CONDUCTIVITY SENSORS



540K.1 SENSOR TIP



540K.01 SENSOR TIP WITH SS BODY

The Model 540 Conductivity Sensor offers a reliable and easy-to-use tool for measuring high-purity water or condensate return. Available configured as in-line, retractable or submersible, the Model 540 provides accurate input for monitoring or control of total dissolved solids in the 1 to 10 μS or 10 to 100 μS conductivity ranges. These sturdy sensors can withstand temperatures up to 392°F (200°C) and will serve for a long period of time.

BENEFITS	SPECIFICATIONS	
• Reliable control • Labor-saving • Economical • Long life • Accurate	Length(s) body	10 inch or 18 inch
	Diameter, OD	¾ inch
	Material	316 SS
	Temp. ranges	0-392°F (200°C)
	Temp. comp.	500 NTC
	Cell constants	0.01 or 0.1
	Cable lengths	20 ft max.
	Cable insulation	TFE
	Pressure Trend Swagelock	70 psi (4.8 bar)
	Insulator mat.	PVDF
	Range K.1	10-100 μS
	Range K.01	0-10 μS

ENCLOSURES



-1 NEMA-4X w/amplifier*



- 2 CL I, II w/amplifier*



-3 CL I, II

INLINE MOUNTING OPTIONS

(All sensors have 3/4 inch NPT on sensor tip)



- 10I 3/4 inch NPT 316 SS Swagelock



- 10R 1 inch NPT 316 SS Ball valve

ORDERING INFORMATION

Select one item from each column below.

Sensor	Cable Length or Enclosure	Material, Inline Fitting	Body Length	Temp Comp
540K.1	- 1 NEMA-4X w/amplifier*	- 10S 316 SS no fitting	- 10 inch	- TC500
540K.01	- 2 Aluminum enclosure w/amp*	- 10I 316 SS w/Swagelock fitting 3/4 inch NPT	- 18 inch	
	- 3 Aluminum enclosure	- 10R 316 SS w/ball valve 1 inch NPT		
	- 4 240 inch of cable			

EXAMPLE

540K.1	-4	-10R	-18	-TC500
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* Amplifier options **-1** and **-2** are only available with Model 843 controllers.
† 10 inch body not available with **-10R** Option.

MODEL 540K.I

PART NO.	DESCRIPTION
1105089	540K.1-1-10I-10-TC500
1169775	540K.1-1-10I-18-TC500
1166617	540K.1-1-10R-18-TC500
1105090	540K.1-1-10S-10-TC500
1166619	540K.1-1-10S-18-TC500
1105091	540K.1-2-10I-10-TC500
1166620	540K.1-2-10I-18-TC500
1169831	540K.1-2-10R-18-TC500
1105092	540K.1-2-10S-10-TC500
1166713	540K.1-2-10S-18-TC500
1105093	540K.1-3-10I-10-TC500
1169881	540K.1-3-10I-18-TC500
1166727	540K.1-3-10R-18-TC500
1105094	540K.1-3-10S-10-TC500
1167086	540K.1-3-10S-18-TC500
1104591	540K.1-4-10I-10-TC500
1169602	540K.1-4-10I-18-TC500
1168617	540K.1-4-10R-18-TC500
1105096	540K.1-4-10S-10-TC500
1167087	540K.1-4-10S-18-TC500

PART NO.	REPLACEMENT PARTS
1169054	540K.1-TC500
1167374	Fitting, 10I
1167375	Fitting, 10R
1166317	Cable, 4 conductor /ft, 20 ft minimum order (price per foot)
1167230	Preamp, Conductivity

MODEL 540K.01 SERIES

PART NO.	DESCRIPTION
1167080	540K.01-1-10I-18-TC500
1105082	540K.01-1-10I-10-TC500
1167421	540K.01-1-10R-18-TC500
1167438	540K.01-1-10S-18-TC500
1105083	540K.01-1-10S-10-TC500
1165078	540K.01-2-10I-18-TC500
1105084	540K.01-2-10I-10-TC500
1169665	540K.01-2-10R-18-TC500
1165080	540K.01-2-10S-18-TC500
1105085	540K.01-2-10S-10-TC500
1167440	540K.01-3-10I-18-TC500
1105086	540K.01-3-10I-10-TC500
1167446	540K.01-3-10R-18-TC500
1104592	540K.01-4-10I-10-TC500
1167084	540K.01-4-10I-18-TC500
1169642	540K.01-4-10R-18-TC500

PART NO.	REPLACEMENT PARTS
1169055	540K.01-TC500
1167374	Fitting, 10I
1167375	Fitting, 10R
1166317	Cable, 4 conductor /ft, 20 ft minimum order (price per foot)
1167230	Preamp, Conductivity