

# LAKWOOD INSTRUMENTS

## 520 SERIES PH SENSORS





**5205 Replacement Tip CPVC**



**5207 Replacement Tip 316 SS**

Lakewood Instruments uses the latest technology in pH electrode construction. Lakewood's differential electrode design prevents ground loop problems and excessive dependence on the reference electrode connection to the process stream for stable readings. With two different body materials, three mounting options and four different glass electrodes, Lakewood Instruments can supply pH sensors to fit your needs.

### Specifications

	<u>Option</u>	<u>Body Material</u>	<u>Max Temp.†</u>	<u>Pressure*</u>	<u>Wetted Materials</u>
	-5x	CPVC	150°F (66°C) †	100 psi (6.9 bar)*	CPVC, Glass, Carbon, Viton
	-7x	316 SS	230°F (110°C) †	150 psi (10.3 bar)*	316 SS, Glass, Viton



-STD is the STANDARD glass bulb type electrode for use in systems with low fouling potential and minimal abrasives. pH range is 0-12, Max Temperature† is 230°F (110°C)†

**For replacement tips specify electrode type and total length in inches**



-FG is the FLAT glass bulb type electrode for use in systems with high fouling potential and abrasives water. With proper flow across the sensor, the -FG sensor tip will have a self cleaning action to prevent suspended solids buildup. pH range is 0-12, Max Temperature† is 212°F (100°C)†

**For replacement tips specify electrode type and total length in inches**



-HS is the HIGH SODIUM glass bulb type electrode for use in systems with a high pH and high concentration of sodium ions. This sensor compensates for sodium ion errors. pH range is 0-14, Max Temperature† is 212°F (100°C)†

**For replacement tips specify electrode type and total length in inches**



-DG is the extra strength DOME glass bulb type electrode for use in systems with slightly fouling or slightly abrasive water. pH range is 0-12, Max Temperature† is 212°F (100°C)†

**For replacement tips specify electrode type and total length in inches**

**TEMPERATURE COMPENSATOR: 10K NTC**

† Temperature rating of sensors depends on the combination of the body and glass electrode. Use the lower temperature of the sensor's body or glass electrode to determine sensors temperature specification.

\* The maximum pressure rating for the 5I, 5R, 7I and 7R options with the teflon ferrules is 70 psi.



# MODEL 520 SERIES

PART NO.	DESCRIPTION
1168554	520-0-5I-18-STD
1105043	520-0-5I-10-STD
1168555	520-0-5R-18-STD
1104459	520-0-5S-18-STD
1168556	520-0-5S-48-STD
1105044	520-0-5S-10-STD
1109968	520-0-7I-10-STD
1228783	520-0-7I-10-DG
1168560	520-0-7I-18-STD
1168561	520-0-7R-18-STD
1168562	520-0-7S-48-STD
1105046	520-0-7S-10-STD
1105282	520-1-5I-10-STD
1109797	520-1-5I-18-DG
1168436	520-1-5I-18-HS
1168102	520-1-5I-18-STD
1167935	520-1-5R-18-STD
1169578	520-1-5S-48-DG
1169698	520-1-5S-48-FG
1169660	520-1-5S-48-HS
1167071	520-1-5S-48-STD
1169695	520-1-5S-18-STD
1168576	520-1-7I-18-STD
1169879	520-1-7I-10-STD
1169880	520-1-7R-18-HS
1168577	520-1-7R-18-STD
1168578	520-1-7S-48-STD
1167993	520-2-5I-18-STD
1168581	520-2-5R-18-STD
1166591	520-2-7I-10-STD
1223953	520-2-7I-10-FG
1165340	520-2-7R-48-STD
1167992	520-2-7R-18-STD
1167991	520-2-7S-48-STD
1168564	520-3-5I-18-STD
1105047	520-3-5I-10-STD
1168565	520-3-5R-18-STD
1168566	520-3-5S-48-STD
1105048	520-3-5S-10-STD
1167450	520-3-7I-18-HS
1168570	520-3-7I-18-STD
1105049	520-3-7I-10-STD
1104450	520-3-7R-18-DG
1168571	520-3-7R-18-STD
1168572	520-3-7S-48-STD
1105050	520-3-7S-10-STD
1169666	520-4-5I-18-DG
1167986	520-4-5I-18-STD

# MODEL 520

PART NO.	DESCRIPTION
1105051	520-4-5I-10-STD
1167988	520-4-5R-18-STD
1109615	520-4-5S-18-STD
1167989	520-4-5S-48-STD
1105052	520-4-5S-10-STD
1228083	520-4-7I-10-HS
1109994	520-4-7I-10-FG
1107388	520-4-7I-18-FG
1165305	520-4-7I-10-STD
1167984	520-4-7I-18-STD
1167983	520-4-7R-18-STD
1109944	520-4-7S-48-DG
1167982	520-4-7S-48-STD
1169876	520-4-7S-10-STD
1168586	520-5-5I-18-STD
1105054	520-5-5I-10-STD
1168587	520-5-5R-18-STD
1104404	520-5-5S-18-STD
1168588	520-5-5S-48-STD
1105055	520-5-5S-10-STD
1168592	520-5-7I-18-STD
1105056	520-5-7I-10-STD
1168593	520-5-7R-18-STD
1168594	520-5-7S-48-STD
1105057	520-5-7S-10-STD
1169704	520-6-5S-48-HS
1167125	520-6-5S-48-STD
1167126	520-6-5S-18-STD
1224009	520-6-7I-10-FG
1169646	520-6-7R-18-STD
1167129	520-6-7S-48-STD
1167130	520-6-7S-18-STD

# MODEL 520

## PART NO.      REPLACEMENT PARTS

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1169452	5205-DG (specify length when ordering)
1169451	5205-FG (specify length when ordering)
1169453	5205-HS (specify length when ordering)
1167302	5205-STD (specify length when ordering)
1169460	5207-DG (specify length when ordering)
1169459	5207-FG (specify length when ordering)
1169462	5207-HS (specify length when ordering)
1167304	5207-STD (specify length when ordering)
1167261	Fitting, 5I
1167090	Fitting, 5R
1167374	Fitting, 7I
1167375	Fitting, 7R
1167124	Preamp, pH/ORP
1166317	Cable, 4 conductor /ft, 20 ft minimum order
1169780	Cable, pH, BNC / 4Conductor, 5ft
1169781	Cable, pH, BNC / 4Conductor, 10ft