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Lab and Field



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TPS Australia - Quality hand-made instruments since 1968.

Redox (ORP) and Metal Sensors for Laboratory & Field Use

General Purpose Laboratory & Field Redox Sensor



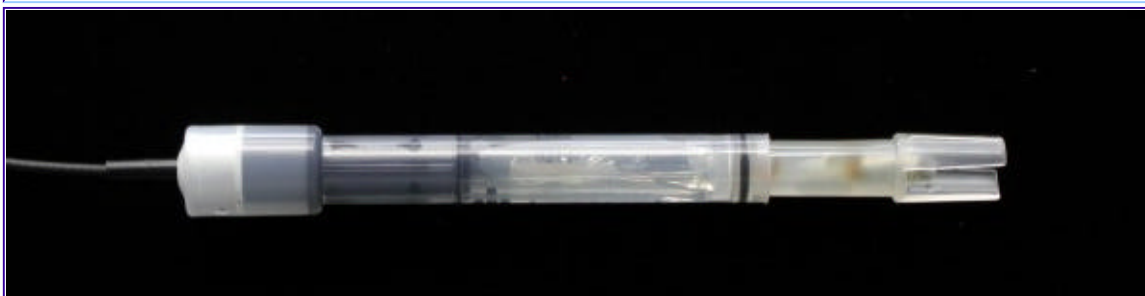
Description	Epoxy body combination Redox sensor, with screw-on membrane guard. The Porous Teflon reference system makes this sensor suitable for most applications, including solutions and slurries that can clog inferior sensors. Submersible to 1 metre.	
Range	-2000 to +2000 mV	
Temperature Range	0 to 60 °C (32 to 140 °F)	
Sensing Electrode	Platinum	
Reference System	Ag/AgCl, double junction with Porous Teflon junction.	
Dimensions	120 x 12 mm	
Ordering	Description	Part No
	Sensor with 1m cable & NO PLUG <small>(go to the Connectors page for a listing of available plugs)</small>	121261
	Sensor with 1m cable & BNC Plug	121262

Submersible Redox Sensor



Description	Epoxy body combination Redox sensor, with integral membrane guard. Submersible to 50 metres.	
Range	-2000 to +2000 mV	
Temperature Range	0 to 60 °C (32 to 140 °F)	
Sensing Electrode	Platinum	
Reference System	Ag/AgCl, single junction with Porous Teflon junction.	
Dimensions	120 x 12 mm	
Ordering	Description	Part No
	Sensor with 5m cable & NO Plug	111260
	Sensor with 5m cable & Waterproof BNC Plug	111259
	Sensor with 2m cable & Waterproof BNC Plug	111258
	Sensor with 1m cable & NO Plug (go to the Connectors page for a listing of available plugs)	121268

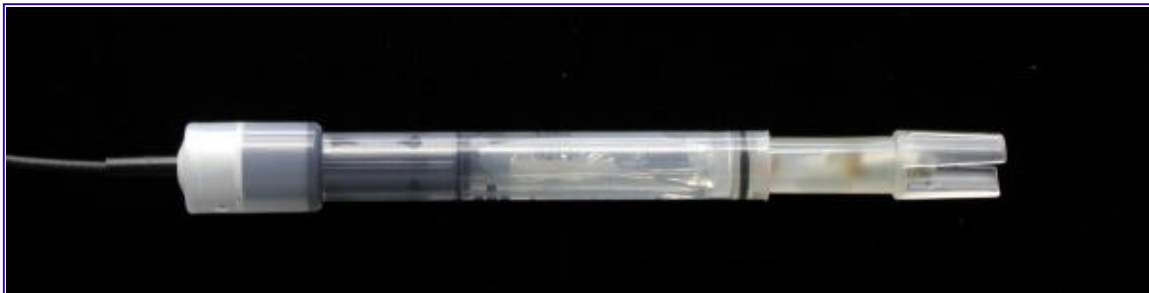
Intermediate Junction Redox Sensor



Description	Epoxy body combination Redox sensor, with unique Intermediate Junction reference design. The sleeve at the end of the sensor can be removed for cleaning. Two sleeves are provided - one with protective fins (as shown), and a narrow sleeve suitable for insertion into meats, cheeses etc.
Range	-2000 to +2000 mV
Temperature Range	0 to 60 °C (32 to 140 °F)
Sensing Electrode	Platinum
Reference System	Ag/AgCl, with Intermediate Junction reference.
Dimensions	120 x 12 mm (diameter of spear sleeve is 8mm)

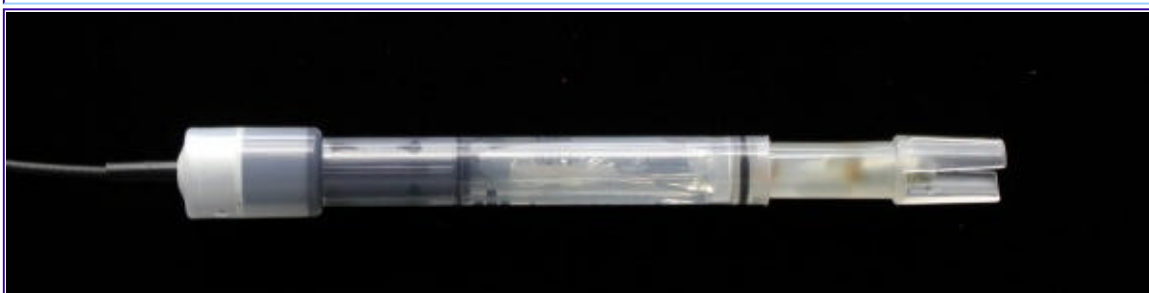
Ordering	Description	Part No
	Sensor with 1m cable & NO Plug <small>(go to the Connectors page for a listing of available plugs)</small>	121263
	Sensor with 5m cable & NO Plug <small>(go to the Connectors page for a listing of available plugs)</small>	111267

Intermediate Junction Silver Billet Sensor



Description	<p>Silver electrode, commonly used for Silver Nitrate titrations for determining Chloride content in dairy products. Epoxy body combination sensor, with unique Intermediate Junction reference design. The sleeve at the end of the sensor can be removed for cleaning. The Intermediate Junction reference resists clogging by fatty or oily products.</p> <p>Not recommended as a Silver Ion Selective electrode for other applications. See the Combination Ion Selective Electrode page for details of the Silver ISE.</p>	
Range	-2000 to +2000 mV	
Temperature Range	0 to 60 °C (32 to 140 °F)	
Sensing Electrode	Silver	
Reference System	Ag/AgCl, with Intermediate Junction reference.	
Dimensions	120 x 12 mm (diameter of spear sleeve is 8mm)	
Ordering	Description	Part No
	Sensor with 1m cable & NO Plug <small>(go to the Connectors page for a listing of available plugs)</small>	121298

Intermediate Junction Gold Billet Sensor



Description	Gold billet electrode. Epoxy body combination
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	sensor, with unique Intermediate Junction reference design. The sleeve at the end of the sensor can be removed for cleaning. The Intermediate Junction reference resists clogging by fatty or oily products.	
Range	-2000 to +2000 mV	
Temperature Range	0 to 60 °C (32 to 140 °F)	
Sensing Electrode	Gold	
Reference System	Ag/AgCl, with Intermediate Junction reference.	
Dimensions	120 x 12 mm (diameter of spear sleeve is 8mm)	
Ordering	Description	Part No
	Sensor with 1m cable & NO Plug (go to the Connectors page for a listing of available plugs)	121299

Double Platinum Sensor for Karl Fischer Titrations



Description	Glass body sensor with two pure platinum plates. Normally used as the sensing electrode for the Karl Fischer titration method for moisture measurement.	
Temperature Range	0 to 80 °C (32 to 1 °F)	
Dimensions	120 x 12 mm	
Ordering	Description	Part No
	Sensor with 1m cable & plug to suit 901 & 900 Series	122207
	Sensor with 1m cable & plug to suit labCHEM & smartCHEM Series	122209



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