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Lab and Field



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Conductivity / TDS Sensors for Laboratory & Field Use

k=0.1 Laboratory Conductivity Sensor							
							
Description	Glass body k=0.1 Conductivity sensor for low Conductivity applications. Precision platinised platinum plates. Plates are mounted inside a 12mm tube, making the sensor immune to the effects of vessel size on readings. Submersible to 1 metre.						
Range	0.1 uS/cm to 2000 uS/cm. Can be used for higher measurements, but errors due to non-linearity may occur.						
Temperature Range	0 to 60 °C (32 to 140 °F)						
Sensing Electrodes	Platinised platinum.						
Temperature Compensation	Inbuilt sensor for Automatic Temperature Compensation (ATC) provided to suit the instrument to which the sensor is connected.						
Dimensions	120 x 12 mm						
Ordering	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 70%;">Description</th> <th>Part No</th> </tr> </thead> <tbody> <tr> <td>Sensor with 1m cable to suit 2102A and 900-C (no ATC sensor)</td> <td style="text-align: center;">122204</td> </tr> <tr> <td>Sensor with 1m cable to suit 900-C (inbuilt ATC sensor)</td> <td style="text-align: center;">122225</td> </tr> </tbody> </table>	Description	Part No	Sensor with 1m cable to suit 2102A and 900-C (no ATC sensor)	122204	Sensor with 1m cable to suit 900-C (inbuilt ATC sensor)	122225
Description	Part No						
Sensor with 1m cable to suit 2102A and 900-C (no ATC sensor)	122204						
Sensor with 1m cable to suit 900-C (inbuilt ATC sensor)	122225						

Sensor with 1m cable to suit WP, Aqua & MC Series (inbuilt ATC + Temp sensors)	122229
Sensor with 1m cable to suit 2100, LC & 901 Series (inbuilt ATC sensor)	122224
Sensor with 1m cable to suit labCHEM & smartCHEM Series (inbuilt ATC + Temp sensors)	122232
Extra cable (order by the metre)	130040

k=1.0 Laboratory Conductivity Sensor



Description	Glass body k=1.0 Conductivity sensor for general purpose Conductivity applications. Precision platinised platinum plates. Plates are mounted inside a 12mm tube, making the sensor immune to the effects of vessel size on readings. Submersible to 1 metre.	
Range	1 uS/cm to 20 mS/cm. Can be used for higher measurements, but errors due to non-linearity may occur.	
Temperature Range	0 to 60 °C (32 to 140 °F)	
Sensing Electrodes	Platinised platinum.	
Temperature Compensation	Inbuilt sensor for Automatic Temperature Compensation (ATC) provided to suit the instrument to which the sensor is connected.	
Dimensions	120 x 12 mm	
Ordering	Description	Part No
	Sensor with 1m cable to suit 2102A and 900-C (no ATC sensor)	122206
	Sensor with 1m cable to suit 900-C (inbuilt ATC sensor)	122227
	Sensor with 1m cable to suit WP, Aqua & MC Series (inbuilt ATC + Temp sensors)	122216
	Sensor with 1m cable to suit 2100, LC & 901 Series (inbuilt ATC sensor)	122226
	Sensor with 1m cable to suit labCHEM & smartCHEM Series (inbuilt ATC + Temp sensors)	122230

Sensor with 1m cable to suit 90 Series (inbuilt ATC + Temp sensors)	122217
Extra cable (order by the metre)	130040

k=1.0 Laboratory Conductivity Sensor, for 10mm immersion



Description	<p>Glass body k=1.0 Conductivity sensor for general purpose Conductivity applications. Precision platinised platinum plates. Plates are mounted inside a 12mm tube, making the sensor immune to the effects of vessel size on readings. Submersible to 1 metre.</p> <p>This version is made for a minimum immersion depth of 10mm, making it suitable for small sample volumes such as soil extracts.</p>	
Range	1 uS/cm to 20 mS/cm. Can be used for higher measurements, but errors due to non-linearity may occur.	
Temperature Range	0 to 60 °C (32 to 140 °F)	
Sensing Electrodes	Platinised platinum.	
Temperature Compensation	Inbuilt sensor for Automatic Temperature Compensation (ATC) provided to suit the instrument to which the sensor is connected.	
Dimensions	120 x 12 mm	
Ordering	Description	Part No
	Sensor with 1m cable to suit WP, Aqua & MC Series, for 10mm minimum immersion (inbuilt ATC + Temp sensors)	122214
	Extra cable (order by the metre)	130040

k=10 Laboratory Conductivity Sensor



Description	Glass body k=10 Conductivity sensor for high level Conductivity applications. Precision platinised platinum plates. Plates are mounted inside a 12mm tube, making the sensor immune to the effects of vessel size on readings. Submersible to 1 metre.	
Range	10 uS/cm to 200 mS/cm. Can be used for higher measurements, but errors due to non-linearity may occur.	
Temperature Range	0 to 60 °C (32 to 140 °F)	
Sensing Electrodes	Platinised platinum.	
Temperature Compensation	Inbuilt sensor for Automatic Temperature Compensation (ATC) provided to suit the instrument to which the sensor is connected.	
Dimensions	120 x 12 mm	
Ordering	Description	Part No
	Sensor with 1m cable to suit 2102A and 900-C (no ATC sensor)	122202
	Sensor with 1m cable to suit 900-C (inbuilt ATC sensor)	122223
	Sensor with 1m cable to suit WP, Aqua & MC Series (inbuilt ATC + Temp sensors)	122212
	Sensor with 1m cable to suit 2100, LC & 901 Series (inbuilt ATC sensor)	122222
	Sensor with 1m cable to suit labCHEM & smartCHEM Series (inbuilt ATC + Temp sensors)	122234
	Extra cable (order by the metre)	130040

k=0.1 Field Conductivity Sensor



Description	Plastic body k=0.1 Conductivity sensor for low
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	Conductivity applications. Precision platinised platinum wire electrodes. Submersible to 50 metres.	
Range	0.1 uS/cm to 2000 uS/cm. Can be used for higher measurements, but errors due to non-linearity may occur.	
Temperature Range	0 to 80 °C (32 to 176 °F)	
Sensing Electrodes	Platinised platinum.	
Temperature Compensation	Inbuilt sensor for Automatic Temperature Compensation (ATC) provided to suit the instrument to which the sensor is connected.	
Dimensions	110 x 12 mm (diameter at sensing area).	
Ordering	Description	Part No
	Sensor with 5m cable to suit WP, Aqua & MC Series (inbuilt ATC + Temp sensors)	122199
	Extra cable (order by the metre)	130040

k=1.0 Field Conductivity Sensor



Description	Plastic body k=1.0 Conductivity sensor for general purpose Conductivity applications. Precision platinised platinum wire electrodes. Submersible to 50 metres.	
Range	1 uS/cm to 20 mS/cm. Can be used for higher measurements, but errors due to non-linearity may occur.	
Temperature Range	0 to 60 °C (32 to 140 °F). Can be used to 90 °C (194 °F) if specified with nylon cover at ordering.	
Sensing Electrodes	Platinised platinum.	
Temperature Compensation	Inbuilt sensor for Automatic Temperature Compensation (ATC) provided to suit the instrument to which the sensor is connected.	
Dimensions	110 x 22 mm	
Ordering	Description	Part No
	Sensor with 5m cable to suit 90 Series (inbuilt ATC + Temp sensors)	122196
	Sensor with 5m cable to suit WP, Aqua &	122198

MC Series (inbuilt ATC + Temp sensors)	
Sensor with 1m cable to suit WP, Aqua & MC Series (inbuilt ATC + Temp sensors)	122201
Sensor with 5m cable with NO Plug, with inbuilt ATC + Temp sensors. (Specify instrument model when ordering.)	122200
Extra cable (order by the metre)	130040

k=10 Field Conductivity Sensor



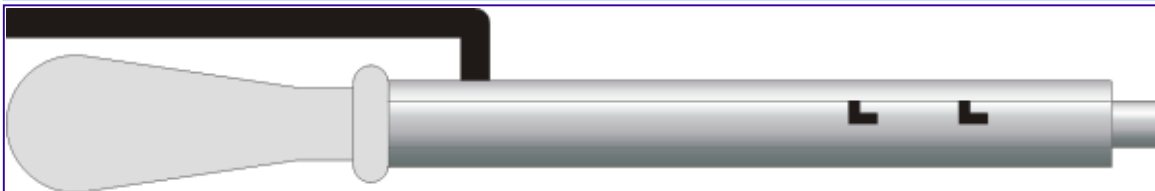
Description	Plastic body k=10 Conductivity sensor for high level Conductivity applications. Precision platinised platinum plates. Submersible to 50 metres.	
Range	10 uS/cm to 200 mS/cm. Can be used for higher measurements, but errors due to non-linearity may occur.	
Temperature Range	0 to 60 °C (32 to 140 °F).	
Sensing Electrodes	Platinised platinum.	
Temperature Compensation	Inbuilt sensor for Automatic Temperature Compensation (ATC) provided to suit the instrument to which the sensor is connected.	
Dimensions	110 x 22 mm	
Ordering	Description	Part No
	Sensor with 5m cable to suit 90 Series (inbuilt ATC + Temp sensors)	122218
	Sensor with 5m cable to suit WP, Aqua & MC Series (inbuilt ATC + Temp sensors)	122219
	Sensor with 5m cable with NO Plug, with inbuilt ATC + Temp sensors. (Specify instrument model when ordering.)	122220
	Extra cable (order by the metre)	130040

HK-1 Conductivity Sensor for HP81 & HP81T



Description	Plastic body Conductivity sensor designed specifically for Hydroponics applications. Submersible to 10 metres.	
Range	10 uS/cm to 10 mS/cm.	
Temperature Range	0 to 60 °C (32 to 140 °F).	
Sensing Electrode	Platinised platinum.	
Temperature Compensation	Inbuilt sensor for Automatic Temperature Compensation (ATC) provided to suit the HP81 and HP81T	
Dimensions	110 x 22 mm	
Ordering	Description	Part No
	Sensor with 1m cable to suit HP81 & HP81T (inbuilt ATC sensor)	122208
	Extra cable (order by the metre)	130040

k=10 Pipette Style Sensor for Naturopaths



Description	Plastic body pipette style Conductivity sensor designed specifically for low volume Naturopathic applications. Can measure less than 0.5 mL. NOTE: Although this is a k=10 sensor, its use for general purpose applications is not recommended. The small size of the plates provides linearity over a small range only.
Range	2 mS/cm to 20 mS/cm.
Temperature Range	0 to 60 °C (32 to 140 °F).
Sensing Electrode	Platinised platinum.
Temperature Compensation	Inbuilt sensor for Automatic Temperature Compensation (ATC) provided to suit the instrument for which it is supplied.
Dimensions	110 x 22 mm

Ordering	Description	Part No
	Sensor with 1m cable to suit 2100, LC and 901 Series (inbuilt ATC sensor)	122210
	Extra cable (order by the metre)	130040



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