

GLASS LABORATORY pH ELECTRODES

PRODUCT SPECIFICATION SHEET



pH1400
Basic



pH2400 (Classic Bulb)
Advanced



pH2500 (Flat Tip)
Advanced



pH3400
Research Grade

Maximum chemical compatibility with inert glass bodies

Highly adaptable: Compatible with any meter accepting BNC

Choose basic, advanced, or premium options based on your application

Accurate and reliable measurements across full pH scale (0-14)

Instantly ready for use: Extended shelf life (guaranteed for one year)

One year limited warranty

The right sensor makes the difference.

Choosing a sensor that is well-suited for your application will improve measurement accuracy and extend sensor lifetime. Glass body sensors perform well in unpredictable chemical environments due to the inert properties of glass.

pH1400 (Basic): The pH1400 glass pH sensor is easy to use and performs reliably in applications such as hydroponics, gardening, and education.

pH2400 & pH2500 (Advanced): The pH2400 (bulb shape) and pH2500 (flat tip) electrodes are great for testing samples with unknown composition, such as wastewater. The double junction reference design prevents fouling by proteins, enzyme, and TRIS buffer.

pH3400 (Research Grade): Our pH3400 glass pH electrodes are designed for maximum accuracy and sensor lifetime. These research grade probes have high sensitivity internals for temperature responsive measurements up to 100°C. The refillable pump junction allows easy maintenance to extend the sensor's lifetime.

DESIGNED AND ASSEMBLED IN CALIFORNIA, USA

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SPECIFICATIONS

BASIC

pH1400

Diameter	12mm
Length	150mm
Reference	Refillable
Junction Number	Single (1)
Junction Material	Ceramic Frit
Reference Solution	3.5 M KCl/AgCl (liquid)
Glass Shape	Bulb
Body Material	Glass
Temperature Range	0-60 degrees C
Strain Relief	No
BNC Boot	No

UNIVERSAL

All Glass Laboratory pH Electrodes

pH Range	0 - 14 (Na ⁺ error at 12.3 < pH)
Response	95% in 1 second (bulb glass shape) 95% in 5 seconds (flat glass shape)
Isopotential Point	7.00 pH (0 mV)
Offset	± 0.20 pH
Span	97% of theoretical or higher
Connector	BNC (Standard Configuration)
Cable Length	1 meter (Standard Configuration)

ADVANCED

pH2400

Diameter	12mm
Length	150mm
Reference	Refillable
Junction Number	Double (2)
Junction Material	Annular Ceramic and Ceramic Frit
Reference Solution	3.5 M KCl/AgCl/ KNO ₃ (liquid)
Glass Shape	Bulb
Body Material	Glass
Temperature Range	0-80 degrees C
Strain Relief	No
BNC Boot	Yes

pH2500

Diameter	12mm
Length	150mm
Reference	Sealed
Junction Number	Double (2)
Junction Material	HDPE and Pellon
Reference Solution	3.5 M KCl/AgCl/ KNO ₃ (gel)
Glass Shape	Flat
Body Material	Glass
Temperature Range	0-80 degrees C
Strain Relief	No
BNC Boot	Yes

SPECIALTY

RESEARCH GRADE

pH3400

Diameter	12mm
Length	150mm
Reference	Refillable
Junction Number	Double (2)
Junction Material	Ground Glass and pHASE
Reference Solution	3.5 M KCl (liquid)
Glass Shape	Bulb
Body Material	Glass
Temperature Range	0-100 degrees C
Strain Relief	Yes
BNC Boot	Yes
Bulb Protection	Removable Guard

RECOMMENDED APPLICATIONS:

pH1400 Series (Basic): Education, gardening, hydroponics, aquariums

pH2400-2500 Series (Advanced): Electroplating, samples containing heavy metals, photographic media

pH3000 Series (Research Grade): Research and development, quality control, experimental research, low ionic samples

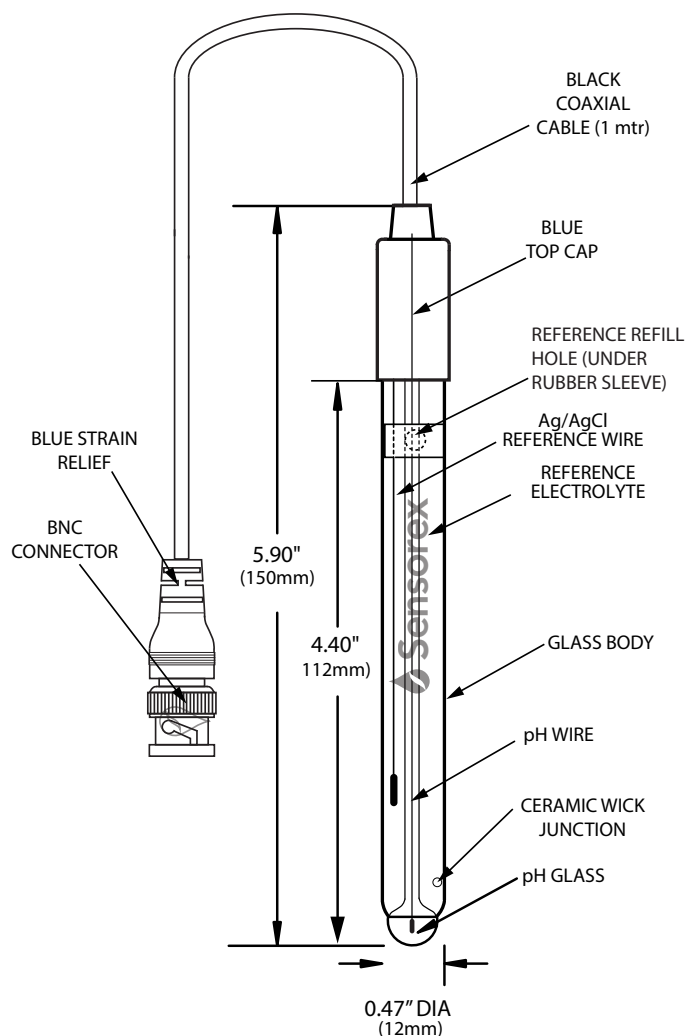
Don't see your application listed? For more detailed electrode selection information, check out our [interactive selection guide](#).

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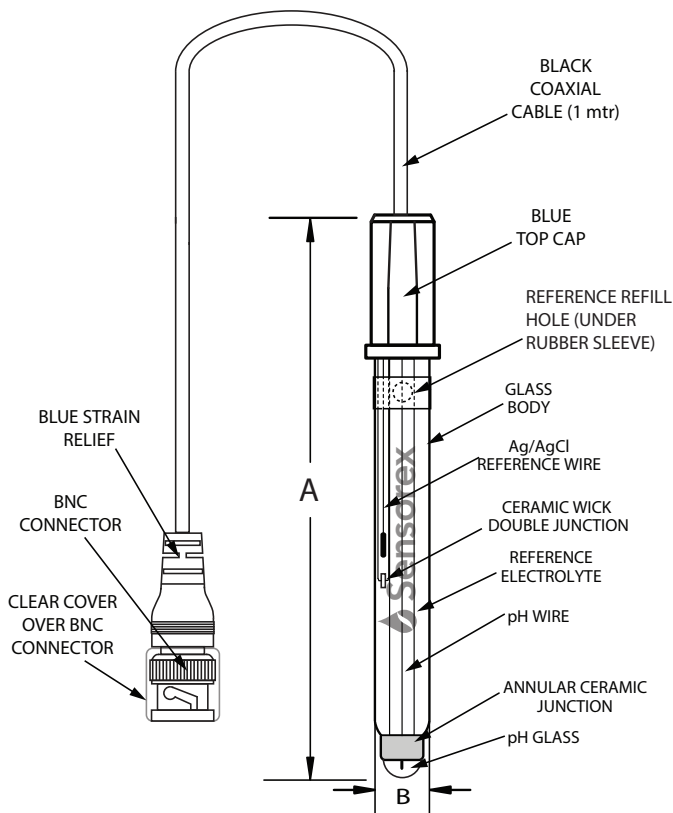
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OUTLINES AND DIMENSIONS



pH1400



pH2400

ORDERING INFORMATION

Part Number Description

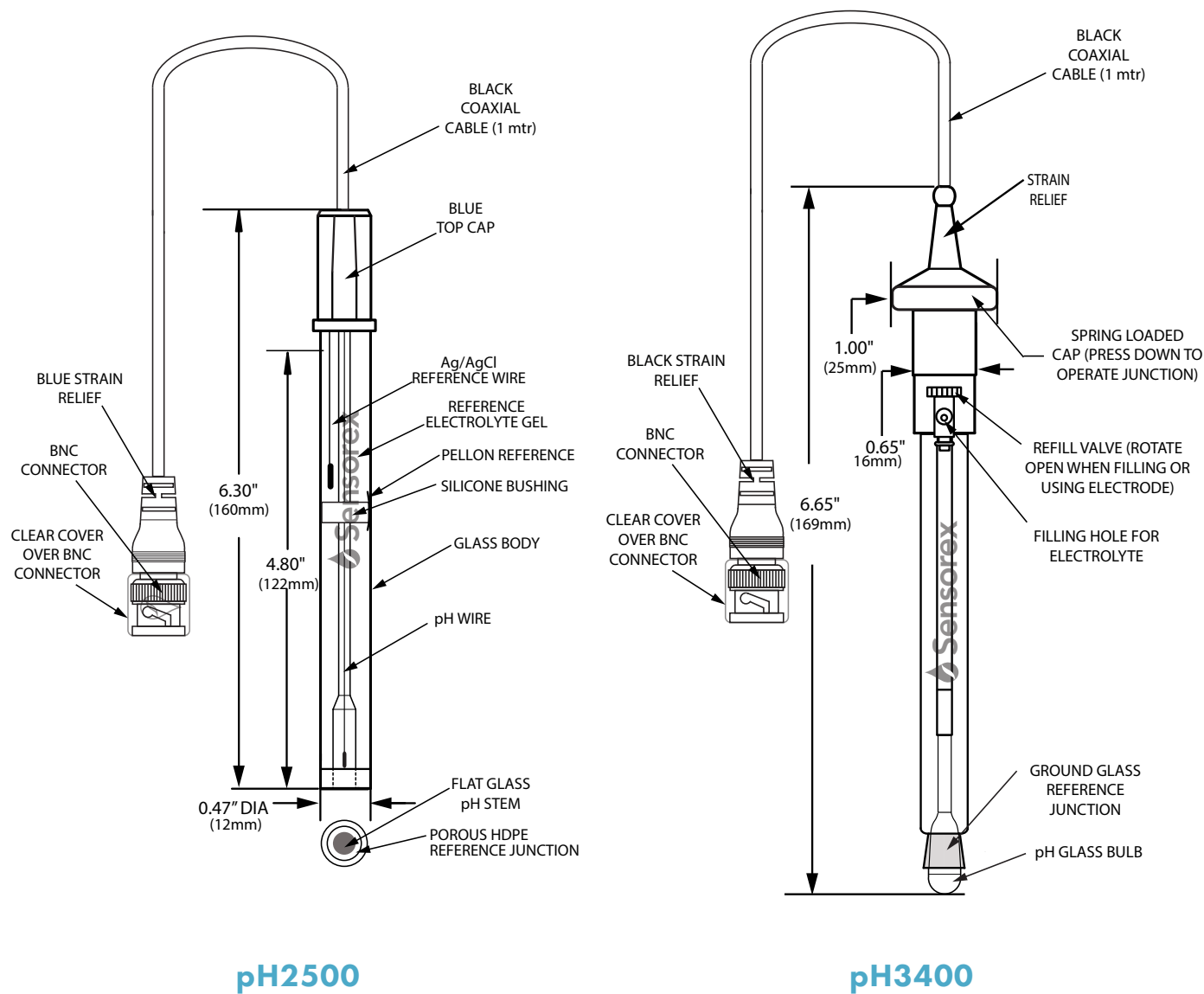
pH1400	Single junction, refillable glass body pH electrode
pH2400	Double junction, refillable glass body pH electrode

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OUTLINES AND DIMENSIONS



ORDERING INFORMATION

Part Number Description

pH2500	Double junction, sealed glass body pH electrode with flat measurement surface for specialty applications
pH3400	High accuracy research grade double junction, refillable glass body pH electrode

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