

How do I match sensors to housings?

Housings and FermProbe® pH sensors are offered in a variety of lengths. This enables fermentation operators to select the optimum insertion length for the application at hand. The housing ordering information box lists the suitable sensor models and lengths for each particular housing style.

There is another way to match sensors to housings. Each housing length is given a letter classification, i.e. "A", "B", "C". Each sensor length is given a similar letter classification. Any Class "A" pH sensor will fit any Class "A" housing listed in this catalog. Similarly, any Class "B" sensor will fit any Class "B" housing. By matching the classifications, the sensor and housing will match.

The class information is found in the ordering information box for any sensor or housing in this catalog. If the class letters are the same for any sensor and housing then the two can be used together. See the illustrated example below:

For a Perfect Match Every Time

1. Choose a housing for the vessel and application.
2. Note the class of the housing (i.e. A, B) in the ordering information box.
3. Choose a style and model of sensor (see opposite page).
4. Find the class of sensor that matches the class of the chosen housing.

Example

Ordering Information

Housing Model	Class	Insertion Length	Lead Wire Length	Lead Wire Dia.	Lead Wire Dia. Overall Length	Insertion Order Number	Insertion Price
225	A	27 mm	3.27	1.60 (1.2-1.6)	138 mm	9-225-01-0100	100.00
225	B	46 mm	3.43	1.60 (1.2-1.6)	158 mm	9-225-02-0100	100.00
225	C	71 mm	4.07	1.60 (1.2-1.6)	214 mm	9-225-03-0100	100.00
Housing With 1/2" Insert Bulk Heads							
130	A	12 mm	2.17	1.60 (1.2-1.6)	138 mm	9-130-01-0100	100.00
130	B	22 mm	2.27	1.60 (1.2-1.6)	158 mm	9-130-02-0100	100.00
130	C	38 mm	2.97	1.60 (1.2-1.6)	214 mm	9-130-03-0100	100.00

Sensor Information

Model	Class	Insertion Length	Insertion Order Number	Price	Comments
Model F 101 pH Sensor with 1/2" Flange & Glassment Cap					
F 1011	A	120, 240, 360, 480, 600, 720	9-101-01-0100	100.00	120 mm
F 1012	B	150, 300	9-101-02-0100	100.00	150 mm
F 1013	C	180, 360	9-101-03-0100	100.00	180 mm
Model F 102 pH Sensor with 1/2" Flange & Integral Cable					
F 1021	A	120, 180, 240, 300, 360, 420, 480	9-102-01-0100	100.00	120 mm
F 1022	B	150, 210	9-102-02-0100	100.00	150 mm
F 1023	C	180, 240	9-102-03-0100	100.00	180 mm

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