



Code	HI1048[] • FC10483	FC911	FC2023	FC2053	FC2143
Description	pH electrode with CPS™ (Clogging Prevention System)	pH electrode	pH electrode	pH electrode	pH electrode
Reference	double, Ag/AgCl	double, Ag/AgCl	double, Ag/AgCl	double, Ag/AgCl	single, Ag/AgCl
Junction / Flow Rate	CPS™	ceramic, single / 15-20 µL/H	open	open	cloth
Electrolyte	KCl 3.5M	KCl 3.5M	viscolene	gel	gel
Max Pressure	0.1 bar	0.1 bar	0.1 bar	0.1 bar	3 bar
Range	pH: 0 to 12	pH: 0 to 13	pH: 0 to 12	pH: 0 to 12	pH: 0 to 12
Recommended Operating Temp.	-5 to 60°C (23 to 140°F)	0 to 70°C (32 to 158°F)	0 to 60°C (32 to 140°F)	0 to 60°C (32 to 140°F)	0 to 80°C (32 to 176°F)
Glass Type	LT (low temperature)	GP (general purpose)	LT (low temperature)	LT (low temperature)	LT (low temperature)
Tip / Shape	dome (dia: 8 mm)	spheric (dia: 7.5 mm)	conic (6 x 10 mm)	conic (6 x 10 mm)	flat
Temperature Sensor	DIN model only	no	yes	yes	yes
Amplifier	DIN model only	yes	yes	yes	yes
Body Material	glass	PVDF	PVDF	PVDF	titanium with HT glass sensor
Cable	coaxial; 1 m (3.3')	coaxial; 1 m (3.3')	7-pole; 1 m (3.3')	7-pole; 1 m (3.3')	7-pole; 1 m (3.3')
Recommended Use	must in winemaking	creams, fruit juices, sauces, high humidity	yogurt, cheese, meat, semi-solid foods, fruits, ham and sausages	yogurt, cheese, meat, semi-solid foods, fruits, ham and sausages	beer
Connection	HI1048B BNC HI1048B/50 BNC (4 m (1.3') cable) HI1048P BNC + pin* FC10483 Quick Connect DIN**	FC911B BNC	FC2023 Quick Connect DIN *	FC2053 Quick Connect DIN *	FC2143 Quick Connect DIN *

* For pH meters with CAL Check™ system
** Recommended for use with HI99111 pH meter

* Recommended for use with HI98161 and HI99161 pH meters

* Recommended for use with HI98161 pH meter

* Recommended for use with HI98151 pH meter