

SELECTION GUIDE	Selection Matrix	Description	Spare Part Number				
	Material of Construction						
pH - FF20	FF20-P33-FNU	Polypropylene with 1/2" FNPT Inlet and Outlet	FF20-P33*B				
	FF20-P33-F1U	Polypropylene with 1", 150# ANSI Flanged Inlet and Outlet	FF20-P33*B/FP4				
	FF20-P33-F2U	Polypropylene with 1/2", 150# ANSI Flanged Inlet and Outlet	FF20-P33*B/FP3				
	FF20-S33-FNU	316 Stainless Steel with 1/2" FNPT Inlet and Outlet	FF20-S33*B				
	FF20-S33-F1U	316 Stainless Steel with 1", 150# ANSI Flanged Inlet and Outlet	FF20-S33*B/FS4				
	FF20-S33-F2U	316 Stainless Steel with 1/2", 150# ANSI Flanged Inlet and Outlet	FF20-S33*B/FS3				
	FF20-F33-FNU	PVDF (KYNAR) with 1/2" FNPT Inlet and Outlet	FF20-F33*B				
	FF20-F33-F1U	PVDF (KYNAR) with 1", 150# ANSI Flanged Inlet and Outlet	FF20-F33*B/FF4				
	FF20-F33-F2U	PVDF (KYNAR) with 1/2", 150# ANSI Flanged Inlet and Outlet	FF20-F33*B/FF3				
	Electrode Cables						
	-C02	All Necessary Cables; 2 Meter in Length					
	-C05	All Necessary Cables; 5 Meter in Length					
	-C10	All Necessary Cables; 10 Meter in Length					
Electrodes							
General pH Applications: pH 2-12 (excursions OK); City Water; Cooling Tower; Wastewater	-SA	Shock-proof Measuring Glass electrode; 0 - 100°C Gel Filled Reference; PTFE Junction; 0-80°C	SM21-AG4 SR20-AP24				
	-SB	Heavy-Duty Measuring Glass Electrode; 0 - 100°C Gel Filled (PTFE) Double Junction Reference; 0 - 80°C	SM21-AG6 SR20-AP26				
Hot pH Applications: pH 2-12 (excursions OK); Up to 120°C	-SC	pH - High Temperature Glass; 15 - 130°C KCl Solution Reference; Ceramic Junction; 0 - 120°C	SM21-AL4 SR20-AC22				
	-SD	Heavy-Duty/High Temp. Measuring Glass electrode; 25 - 130°C KCl Solution Reference; Ceramic Junction; 0 - 120°C	SM21-AL6 SR20-AC22	(2) WU20-PC10 K1500FV	(1) (2) WU20-PC05 K1500FV	(1) (2) WU20-PC02 K1500FV	(1)
Pure Water Applications: Boiler Feedwater; Reverse Osmosis; Demin.	-SE	Shock-proof Measuring Glass electrode; 0 - 100°C BELLOMATIC Liquid Filled Ceramic Reference; 0 - 120°C Mounting Kit for BELLOMATIC	SM21-AG4 SR20-AC32 FP20-S13				
	-SF	Heavy-Duty Measuring Glass electrode; 0 - 100°C BELLOMATIC Liquid Ceramic Filled Reference; 0 - 120°C Mounting Kit for BELLOMATIC	SM21-AG6 SR20-AC32 FP20-S13				
Harsh pH Applications: pH 0-14; Acids and Caustics	-SG	Heavy-Duty/High Temp. Measuring Glass electrode; 25 - 130°C BELLOMATIC Liquid Filled Ceramic Reference; 0 - 120°C Mounting Kit for BELLOMATIC	SM21-AL6 SR20-AC32 FP20-S13				
	-SJ	Combination pH Measuring Glass and Reference; 0 - 100°C Hastelloy Spray Cleaning System	SC21-AGP26 K1547PA	(1) WU20-LT10 (1) K1500FV	(1) WU20-LT05 (1) K1500FV	(1) WU20-LT02 (1) K1500FV	
General ORP Applications	-SK	ORP Electrode, GOLD; 0 - 130°C Gel Filled Reference; PTFE Junction; 0 - 80°C	SM29-AU8 SR20-AP24				
	-SL	ORP Electrode; PLATINUM; 0 - 130°C Gel Filled Reference; PTFE Junction; 0 - 80°C	SM29-PT9 SR20-AP24				
Pure Water ORP Applications *Platinum is Industry standard	-SM	ORP Electrode; GOLD; 0 - 130°C BELLOMATIC Liquid Filled Ceramic Reference; 0 - 120°C Mounting Kit for BELLOMATIC	SM29-AU8 SR20-AC32 FP20-S13	(2) WU20-PC10 K1500FV	(1) (2) WU20-PC05 K1500FV	(1) (2) WU20-PC02 K1500FV	(1)
	-SP	ORP Electrode; PLATINUM; 0 - 130°C BELLOMATIC Liquid Filled Ceramic Reference; 0 - 120°C Mounting Kit for BELLOMATIC	SM29-PT9 SR20-AC32 FP20-S13				
Pure Water pH & ORP Applications	-SS	pH and ORP Combination Electrode; Glass/PLATINUM; 0 - 100°C BELLOMATIC Liquid Filled Ceramic Reference; 0 - 120°C Mounting Kit for BELLOMATIC	SC29-PTG29 SR20-AC32 FP20-S13	(1) WU20-LT10 WU20-PC10 K1500FV	(1) (1) WU20-LT05 WU20-PC05 K1500FV	(1) (1) WU20-LT02 WU20-PC02 K1500FV	(1)
pH Compensated ORP Applications	-SQ	ORP Electrode; PLATINUM; 0 - 130°C Shock-proof Measuring Glass electrode; 0 - 100°C	SM29-PT9 SM21-AG4				
Differential pH Applications *Consult Factory	-ST	Heavy-Duty/High Temp. Measuring Glass electrode; 0 - 130°C pNa Glass Reference (Sodium)	SM21-AL6 SM23-AN4	(2) WU20-PC10 K1500FV	(1) (2) WU20-PC05 K1500FV	(1) (2) WU20-PC02 K1500FV	(1)
Differential ORP Applications *Consult Factory	-SU	ORP Electrode; PLATINUM; 0 - 130°C pNa Glass Reference (Sodium)	SM29-PT9 SM23-AN4				
Differential pH/ORP Applications *Consult Factory	-SV	pH and ORP Combination Electrode; Glass/PLATINUM; 0 - 100°C pNa Glass Reference (Sodium)	SC29-PTG29 SM23-AN4	(1) WU20-LT10 WU20-PC10 K1500FV	(1) (1) WU20-LT05 WU20-PC05 K1500FV	(1) (1) WU20-LT02 WU20-PC02 K1500FV	(1)
General Purpose ECP Applications	-SR	ECP Measuring Electrode - (Copper) BELLOMATIC Liquid Filled Ceramic Reference; 0 - 120°C Mounting Kit for BELLOMATIC	S115746 SR20-AC32 FP20-S13				
	-SW	ECP Measuring Electrode - (Admiralty Brass) BELLOMATIC Liquid Filled Ceramic Reference; 0 - 120°C Mounting Kit for BELLOMATIC	S115746A SR20-AC32 FP20-S13	(2) WU20-PC10 K1500FV	(1) (2) WU20-PC05 K1500FV	(1) (2) WU20-PC02 K1500FV	(1)
	-SX	ECP Measuring Electrode - (Carbon Steel) BELLOMATIC Liquid Filled Ceramic Reference; 0 - 120°C Mounting Kit for BELLOMATIC	S11547B SR20-AC32 FP20-S13				
Temperature Electrode							
	-T	Pt1000 RTD Temperature Electrode	SM60-T1	(1) WU20-PC10	(1) WU20-PC05	(1) WU20-PC02	
	-X	NO Temp. Electrode (Standard for "ORP only" measurements)	N/A	N/A	N/A	N/A	

Selection Example: FF20-S33-FNU-C02-SC-T

- The following will be included
- (1) FF20-S33*B
 - (3) WU20-PC02
 - (1) K1500FV (included with fitting)
 - (1) SM21-AL4
 - (1) SR20-AC22
 - (1) SM60-T1

SELECTION GUIDE pH - FS20	Selection Matrix	Description	Spare Part Number	Selection Example: FS20-S32-C02-SC-T			
	Material of Construction						
	FS20-P32	Polypropylene (2 inch MNPT Connection)	FS20-P32-TP	The following will be included - (1) FS20-S32-TP (1) SM21-AL4 (3) WU20-PC02 (1) SR20-AC22 (1) K1500FV (1) SM60-T1			
	FS20-S32	316 Stainless Steel (2 inch MNPT Connection)	FS20-S32-TP				
FS20-F32	PVDF (KYNAR) (2 inch MNPT Connection)	FS20-F32-TP					
Electrode Cables							
-C02	All Necessary Cables; 2 Meter in Length						
-C05	All Necessary Cables; 5 Meter in Length						
-C10	All Necessary Cables; 10 Meter in Length						
Electrodes							
General pH Applications: pH 2-12 (excursions OK); City Water; Cooling Tower; Wastewater	-SA	Shock-proof Measuring Glass electrode; 0 - 100°C Gel Filled Reference; PTFE Junction; 0-80°C	SM21-AG4 SR20-AP24				
	-SB	Heavy-Duty Measuring Glass Electrode; 0 - 100°C Gel Filled (PTFE) Double Junction Reference; 0 - 80°C	SM21-AG6 SR20-AP26				
Hot pH Applications: pH 2-12 (excursions OK); Up to 120°C	-SC	pH - High Temperature Glass; 15 - 130°C KCl Solution Reference; Ceramic Junction; 0 - 120°C	SM21-AL4 SR20-AC22				
	-SD	Heavy-Duty/High Temp. Measuring Glass electrode; 25 - 130°C KCl Solution Reference; Ceramic Junction; 0 - 120°C	SM21-AL6 SR20-AC22				
Pure Water Applications: Boiler Feedwater; Reverse Osmosis; Demin.	-SE	Shock-proof Measuring Glass electrode; 0 - 100°C BELLOMATIC Liquid Filled Ceramic Reference; 0 - 120°C Mounting Kit for BELLOMATIC	SM21-AG4 SR20-AC32 FP20-S13	(2) WU20-PC10 K1500FV	(1) (2) WU20-PC05 K1500FV	(1) (2) WU20-PC02 K1500FV	(1)
Harsh pH Applications: pH 0-14; Acids and Caustics	-SF	Heavy-Duty Measuring Glass electrode; 0 - 100°C BELLOMATIC Liquid Filled Ceramic Reference; 0 - 120°C Mounting Kit for BELLOMATIC	SM21-AG6 SR20-AC32 FP20-S13				
	-SG	Heavy-Duty/High Temp. Measuring Glass electrode; 25 - 130°C BELLOMATIC Liquid Filled Ceramic Reference; 0 - 120°C Mounting Kit for BELLOMATIC	SM21-AL6 SR20-AC32 FP20-S13				
Coating pH Applications: Process with Un-dissolved solids	-SJ	Combination pH Measuring Glass and Reference; 0 - 100°C Hastelloy Spray Cleaning System	SC21-AGP26 K1547PA	(1) WU20-LT10 (1) K1500FV	(1) WU20-LT05 (1) K1500FV	(1) WU20-LT02 (1) K1500FV	
General ORP Applications	-SK	ORP Electrode; GOLD; 0 - 130°C Gel Filled Reference; PTFE Junction; 0 - 80°C	SM29-AU8 SR20-AP24				
	-SL	ORP Electrode; PLATINUM; 0 - 130°C Gel Filled Reference; PTFE Junction; 0 - 80°C	SM29-PT9 SR20-AP24				
Pure Water ORP Applications *Platinum is Industry standard	-SM	ORP Electrode; GOLD; 0 - 130°C BELLOMATIC Liquid Filled Ceramic Reference; 0 - 120°C Mounting Kit for BELLOMATIC	SM29-AU8 SR20-AC32 FP20-S13	(2) WU20-PC10 K1500FV	(1) (2) WU20-PC05 K1500FV	(1) (2) WU20-PC02 K1500FV	(1)
	-SP	ORP Electrode; PLATINUM; 0 - 130°C BELLOMATIC Liquid Filled Ceramic Reference; 0 - 120°C Mounting Kit for BELLOMATIC	SM29-PT9 SR20-AC32 FP20-S13				
Pure Water pH & ORP Applications	-SS	pH and ORP Combination Electrode; Glass/PLATINUM; 0 - 100°C BELLOMATIC Liquid Filled Ceramic Reference; 0 - 120°C Mounting Kit for BELLOMATIC	SC29-PTG29 SR20-AC32 FP20-S13	(1) WU20-LT10 WU20-PC10 K1500FV	(1) (1) WU20-LT05 WU20-PC05 K1500FV	(1) (1) WU20-LT02 WU20-PC02 K1500FV	(1) (1)
pH Compensated ORP Applications	-SQ	ORP Electrode; PLATINUM; 0 - 130°C Shock-proof Measuring Glass electrode; 0 - 100°C	SM29-PT9 SM21-AG4				
Differential pH Applications *Consult Factory	-ST	Heavy-Duty/High Temp. Measuring Glass electrode; 0 - 130°C pNa Glass Reference (Sodium)	SM21-AL6 SM23-AN4	(2) WU20-PC10 K1500FV	(1) (2) WU20-PC05 K1500FV	(1) (2) WU20-PC02 K1500FV	(1)
Differential ORP Applications *Consult Factory	-SU	ORP Electrode; PLATINUM; 0 - 130°C pNa Glass Reference (Sodium)	SM29-PT9 SM23-AN4				
Differential pH/ORP Applications *Consult Factory	-SV	pH and ORP Combination Electrode; Glass/PLATINUM; 0 - 100°C pNa Glass Reference (Sodium)	SC29-PTG29 SM23-AN4	(1) WU20-LT10 WU20-PC10 K1500FV	(1) (1) WU20-LT05 WU20-PC05 K1500FV	(1) (1) WU20-LT02 WU20-PC02 K1500FV	(1) (1)
General Purpose ECP Applications	-SR	ECP Measuring Electrode - (Copper) BELLOMATIC Liquid Filled Ceramic Reference; 0 - 120°C Mounting Kit for BELLOMATIC	S115746 SR20-AC32 FP20-S13				
	-SW	ECP Measuring Electrode - (Admiralty Brass) BELLOMATIC Liquid Filled Ceramic Reference; 0 - 120°C Mounting Kit for BELLOMATIC	S115746A SR20-AC32 FP20-S13	(2) WU20-PC10 K1500FV	(1) (2) WU20-PC05 K1500FV	(1) (2) WU20-PC02 K1500FV	(1)
	-SX	ECP Measuring Electrode - (Carbon Steel) BELLOMATIC Liquid Filled Ceramic Reference; 0 - 120°C Mounting Kit for BELLOMATIC	S11547B SR20-AC32 FP20-S13				
Temperature Electrode							
-T	Pt1000 RTD Temperature Electrode	SM60-T1	(1) WU20-PC10	(1) WU20-PC05	(1) WU20-PC02		
-X	NO Temp. Electrode (Standard for "ORP only" measurements)	N/A	N/A	N/A	N/A		

