

Polilyte Plus family



Specifications	
Measuring range	0 to 14 pH
Process temperature	See table on page 158/159
Pressure range (relative to ambient)	See table on page 158/159
Hygienic aspects	Autoclavable: H, HB, PHI CIP: HB, PHI SIP: H, HB, PHI
pH glass	See table on page 18
Electrolyte	Polisolve Plus
Reference system	Everef-L
Diaphragm	Single Pore
O-ring	EPDM: HB, PHI FKM: H, HF

For more specifications see www.hamiltoncompany.com

The outstanding success of the Polilyte Plus in chemical and wastewater applications gave the inspiration for transferring the good features to a whole family of sensors. The expanded portfolio widens the range of applications that can be covered.

All members have the same reference electrolyte Polisolve Plus, use the Single Pore technology but will have different pH glasses. A new member with the HB glass will be established.

- Benefits**
- ▶ More applications with HB pH glass
 - ▶ Better overview of the portfolio
 - ▶ There's always at least one family member that suits the different applications
 - ▶ Resistant against solvents, strong acids and bases

- Typical applications**
- ▶ Sugar industry
 - ▶ Microelectronics
 - ▶ Industrial wastewater
 - ▶ Downstream processes
 - ▶ Fermentation



How to choose the sensor	New sensor	pH glass	Electrolyte	Predecessor
HF in the media, low temperature	Polilyte Plus HF	HF	Polisolve Plus	ClaryTrode
Low conductivity	Polilyte Plus H	H	Polisolve Plus	Polilyte HT
CIP, SIP, autoclavations, chemical robustness	Polilyte Plus PHI	PHI	Polisolve Plus	Polyclave
CIP, SIP, autoclavations, fast response time	Polilyte Plus HB	HB	Polisolve Plus	
High pressure	Polilyte Plus XP	H	Polisolve Plus	Polilyte Plus XP

Ordering Information

Polilyte Plus Family Structure				
242428	Basic number = Polilyte Plus VP 120 (old Ref)			
	Code		pH glass	
	1		H	
	2		HB (not for MS)	
	3		HF	
	4		PHI	
	Code		Electrical Connector	
	1		VP	
	2		S8	
	3		Arc	
	4		Memosens	
	Code		a-length (mm)	
	1		120	
	2		225	
	3		325	
	4		360 (not for Arc, MS only with H glass)	
5		425		
Code		Temperature sensor		
1		Pt100 (VP) (not applicable for Arc)		
2		Pt1000 (VP) (not applicable for Arc)		
3		none (S8) or given (Memosens, Arc)		
242428 -				← Order Code
238811	Polilyte Plus XP S8 120			
242415	Polilyte Plus XP VP 120 Pt1000			



Accessories

pH buffers see page 106

Cables see page 112

Housings see page 127

