Polilyte Plus `family`

Polilyte Plus H ARC 120

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

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

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

Accessories

pH buffers see page ▶ 106   **Cables** see page ▶ 112   **Housings** see page ▶ 127