pH

EasyFerm Bio `family`

EasyFerm Bio HB ARC 120

Specifications	
Measuring range	0 to 14 pH
Process temperature	0 to 140 °C (Arc: analog 0 to 110 °C, digital 0 to 140 °C)
Pressure range (relative to ambient)	0 to 6 bar
Hygienic aspects	Autoclavable, SIP, CIP
pH glass	HB, PHI
Electrolyte	Foodlyte
Reference system	Everef-F
Diaphragm	HP Coatramic
O-ring	Silicone

For more specifications see www.hamiltoncompany.com

The EasyFerm Bio family of pH sensors is designed for applications in the Pharmaceutical, Biotechnology and Food & Beverage industries. All family members have the same reference electrolyte Foodlyte, with its certified bio-compatibility. The standard EasyFerm Bio, with its HB glass, is directed at the Food & Beverage industry where CIP and SIP cycles occur frequently because the glass shows a very fast recovery leading to a shortened set-up time. The new versions with the PHI glass show an excellent chemical robustness at high pH values.

The LEVP (LE = Liquid Earth) versions have a stabilized sensor signal and an extended sensor diagnosis.

" *Did you know… that you may even eat the Foodlyte?* "

Benefits
▶ Specifically designed for sterile applications in Pharma and Biotechnology (Biocompatibility)
▶ Highly reliable measurements after steam sterilization, autoclavation and CIP cleanings
▶ Drift free measurements
▶ Ceramic diaphragm is an improved barrier of the electrode

Typical applications
▶ Bioreactors
▶ Brewhouse
▶ Downstream processes
▶ Gelatine manufacturing

Ordering Information

EasyFerm Bio Family Structure

243632

Code	pH glass			
1	PHI			
2	HB (recommended pH glass type)			

	Code	Electrical Connector		
	1	VP 🜨		
	2	S8 🜨		
	3	Arc		
	4	Memosens 🜨		
	5	K8 🜨		
	6	LEVP (only for 120 and 225 mm length) 🜨		

		Code	a-length (mm)	
		1	120	
		2	160	
		3	200	
		4	225	
		5	325	
		7	425	

			Code	Temperature sensor
			1	Pt100 (VP, LEVP) (not applicable for Arc)
			2	Pt1000 (VP, LEVP) (not applicable for Arc)
			3	none (S8, K8) or given (Memosens, Arc)

243632 –   ← Order Code

How to choose the sensor	New sensor	pH glass	Electrolyte	Predecessor
CIP, SIP, autoclavations, fast response time	**EasyFerm Bio HB**	HB	Foodlyte	EasyFerm Bio
CIP, SIP, autoclavations, chemical robustness	**EasyFerm Bio PHI**	PHI	Foodlyte	

Accessories

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