VisiFerm mA family new







VisiFerm mA 120 3618739 Heat No.: 254551 HAMILTON CHIZZOS BONADUZ

Specifications 4 ppb to 25 ppm (DO) Measuring range Measurement Principle Oxygen dependent luminescence quenching Response time t98% < 30 s at 25 °C, from air to nitrogen Process temperature -20 to 140 °C, the sensor provides no DO reading above 85 °C Operating voltage 7 to 30 VDC max. 1 W Pressure range -1 to 12 bar (relative to ambient) Hygienic aspects Autoclavable, CIP, SIP Surface Quality $R_a < 0.4 \mu m (N5)$ Material Stainless steel 1.4435 O-ring **EPDM**

For more specifications see www.hamiltoncompany.com

The VisiFerm mA is the optical dissolved oxygen (DO) sensor for use in explosive environment. VisiFerm mA optical technology improves the measuring performance and simplifies maintenance. Improvements compared to conventional electrochemical (amperometric) sensors include flow independence, rapid startup with no polarization time, and simplified maintenance.

Designed especially for production environments, the new VisiFerm mA is a 2-wire sensor with 4-20 mA standard or digital HART signal output, and ATEX & IECEx approval. The new VisiFerm mA mitigates the negative effects of aging, temperature, and photobleaching in order to reduce the frequency of calibration and deviation reports.



Benefits

- ► Reliable and robust optical measurement in hazardous
- ► Longer cap and sensor life
- Less frequent calibrations
- ► Easy installation with 2-wire connection
- ▶ Direct analog 4-20 mA or digital HART communication
- ► Calibration, verification, and maintenance data accessible via ArcAir app

Typical applications

Ordering Information

10070760					
***************************************	Code	Interface mA/HART			
	1				
		Code a-length (mm)			
		1	225*		
		2			
		3			
		4 325			
		5	425		
			Code	Code ODO Cap	
			1	НЗ	
			2	H4	
			Ţ	Code	Wetted Parts
				1	EPDM
10070760 -					← Order Code

ODO Cap H3: For general application in biotechnology, water treatment and monitoring as well as in breweries, wineries and soft drink processing.

ODO Cap H4: The ODO Cap H4 is designed for fermentation processes where sterilization in place (SIP) is performed in media containing higher amounts of lipophilic compounds. It comes with a hygienic design.

Accessories



- ODO Cap H3 Kit Ref 10068400
- ODO Cap H4 Kit Ref 10078261

Cables see page ▶ 112 Housings see page ▶ 127









