

dual-channel on-line dissolved oxygen meter
MARK® 409 A
双通道在线溶解氧表Mark-409A

Continuous measurement of dissolved oxygen concentration (DOC) and temperature of aqueous solutions with excessive hydrostatic pressure up to 20 MPa.

连续测量溶解氧浓度(DOC),温度;流体压力高达20MPa



| NEW PRODUCT |

Patented unique sensor design | 独特的传感器设计

Stable operation at hydrostatic pressure changes | 压力波动时，测量稳定

Permissible short-term (up to 5 min) pressure overload – (hydraulic shock) – up to 40 MPa | 允许短期（高达5分钟）超压操作（水力学冲击）-高达40MPa

Easy and quick membrane replacement |

易于快速更换膜片

Dry state storage is acceptable | 可接受干态储存

Calibration interval – 1 month | 校准间隔：1个月

Communication with external devices | Galvanic isolated current outputs 0–5/4–20/0–20 mA. RS 485 port. Communication protocol MODBUS RTU. 多种通信接口：模拟量及RS485接口/Modbus RTU协议

Programmable setpoints with dry contacts outlet | 可编程干结点设定点输出

WARRANTY
12
months

specification

	Measuring range	Resolution	Accuracy
DOC, ppm	0–10 ¹	0,001	±[0,001+3%*A]
Temperature, °C	0–70	0,1	±0,3
	¹ programmable		A – measured value
	Converting unit	Sensor	
Mounting	Wall	Panel	
Dimensions, mm	252*146*115	266*170*95	ø 110*192
Weight, kg	2,60	2,60	1,0
Power supply	220 V or 36 V, 50 Hz /10 V · A		

environment requirements

Temperature, °C	15–50
Analyzed water flow rate through the chamber, dm³/min	0,1–0,5
Pressure, MPa, max	20

ORDERING DATA 订购数据

basic kit 基本套件

Converting unit
Oxygen sensor
Calibration device
DO sensor spare parts kit
Electrolyte
Operation manual

optionally 可选

Oxygen sensor for the second channel
Hydraulic panel
Flow-through chamber
Extension cable up to 95 m