



dual-channel on-line dissolved hydrogen meter
MARK® 509 A
双通道在线溶解氢表Mark-509A

Continuous measurement of dissolved hydrogen concentration [DHC] and temperature of aqueous solutions with excessive hydrostatic pressure up to 20 MPa.

连续测量溶解氢浓度(DHC),温度;流体压力高达20MPa



- Patented unique sensor design | 独特的专利传感器设计
- 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 (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 – 6 months | 校准间隔：6个月
- Communication with external devices | 多种通信接口：模拟量及RS485接口/Modbus RTU协议
- Galvanic isolated current outputs 0–5/4–20/0–20 mA.
- RS 485 port. Communication protocol MODBUS RTU.
- Programmable setpoints with dry contacts outlet | 可编程干结点设定点输出



specification

	Measuring range	Resolution	Accuracy
DH concentration, ppb	0–20000 ¹	0,1	±(10+3%*C)
Temperature, °C	0–70	0,1	±0,3
	¹ programmable		C – measured value
	Converting unit	Sensor	
Mounting	Wall	Panel	
Dimensions, mm	266*170*95	252*146*115	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
- DH sensor
- Calibration device
- DH sensor spare parts kit
- Electrolyte

optionally 可选

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