VisiFerm DO SU Arc 225 C

Specification Sheet (Part/REF # 10087920)



The VisiFerm DO SU ARC 225 C for single-use applications works with Hamilton single-use ODO Cap . The VisiFerm DO SU ARC 225 C is reusable and can be mounted directly into the ODO Cap within the bag or SU bioreactor.

Product Specifications

Sensor Family	Visiferm SU
a-length	215 mm
Electrical Connector	VP8
Sensor Output	Arc: Modbus, 4 to 20 mA
Measurement Principle	Oxygen dependent luminescence quenching, temperature compensation
Measuring Range	4 ppb to 25 ppm (DO) 0 to 62.85 %-vol 0 to 300 %-sat
Accuracy at 25 °C	± 1.0 %-sat (at 20 %-sat), only in combination with the gamma irradiated Hamilton single-use ODO Cap and with product calibration ± 1.0 %-sat (at 100 %-sat), only in combination with the gamma irradiated Hamilton single-use ODO Cap and with product calibration ± 2.5 %-sat (at 200 %-sat), only in combination with the gamma irradiated Hamilton single-use ODO Cap and with product calibration
Drift at Room Temperature	< 1 % per week (of measurement value)
Electrolyte	None
Oxygen Consumption	None
Temperature Sensor	NTC 22 kOhm
Configurable Values	DO: mbar; %-sat; %-vol; µg/l; mg/l; ppb/ppm (gas); ppb/ppm (dissolved oxygen); Temperature: °C
Diameter	12 mm
Analog Interface 1	4 to 20 mA for DO, programmable, galvanically not isolated; pulse width modulation 5 kHz
Digital Interface	RS485 Modbus (max. 31 addresses)
Baud Rate	4800, 9600, 19200, 38400, 57600,115200 Bd
Operating Voltage	7 to 30 VDC max. 1 W
Serial Number	Yes
Response Time	t98% < 30 s at 25 °C
Certificate	Yes, with parameter settings and materials used
ATEX Approval	No
Autoclavable	No
CIP	No
Steam Sterilizable	No
Gamma Irradiatable	No
Operating Temperature Range	0 to 60 °C

Required Flow	None