

Optical DO Cap S3 Kit

Specification Sheet (Part/REF # 10113953)



The Hamilton ODO Cap S3 kit is an optical dissolved oxygen sensor cap that can be integrated into single use bags.

Product Specifications

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|------------------------------------|--|
| 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) after gamma irradiation and with product calibration ± 1.0 %-sat (at 100 %-sat) after gamma irradiation and with product calibration ± 2.5 %-sat (at 200 %-sat) after gamma irradiation and with product calibration |
| Calibration Data | Yes, provided on sensor label |
| Drift at Room Temperature | < 1 % per week (of measurement value) |
| Wetted Parts | PA (Cycloaliphatic polyamide) VMQ (Silicone elastomer) See compliance details in Material Specification document |
| Biocompatibility | Yes, see separate study report (upon request) |
| Wet-in Time | 30 min after dry storage |
| Shelf Life | 12 months prior gamma irradiation 24 months after gamma irradiation |
| Serial Number | Yes |
| Response Time | t98% < 30 s at 25 °C |
| Autoclavable | No |
| CIP | No |
| Steam Sterilizable | No |
| Gamma Irradiatable | Yes, up to 50 kGy |
| Operating Temperature Range | 4 to 50 °C |
| Pressure Range bar g | 0 to 1 bar |

Specifications are subject to change without notice

<https://www.hamiltoncompany.com/process-analytics/sensors/10113953>

Spec. Version B