Appendix B : ONC Instrument Package Installation Request Form

Instrument/Sensor Information (page 1 of 3)

Manufacturer (Web/URL address contact name, email, phone)	
Sensor Name(s)	Gas-tight serial sampler
Model Numbers(s)	
Mechanical Dimensions (cm) Weight (air/water)(kg) Depth Rating (m) Case Material Type(s) Fastener Material Type Moving parts (specify keep out zone) Special mounting requirements (orientation, clamping locations, etc)	Dimensions: 530mm (L)×270mm (W)×330mm (H) Weight: 56kg in air, 41kg in water Depth Rating: 6000m Case Material: titanium 6Al-4V
Calibration/Verification Needs	NO
Electrical Input Voltage Range (volts) Nominal operating Current (mA) Peak surge Current (mA) Power system isolated? (Y/N) If case metallic is power system isolated from case? (Y/N)	Input Voltage Range: As a DC-DC will be used to isolate the power and convert it to 12V for the electronics, this input voltage can be from 16V to 48 V. Nominal operating Current: 1000mA Peak surge Current: 3000mA Y with DC-DC Y
Interface Connector type(s) Pinout description	With junction box standard

Deployment Recovery	

Appendix B : ONC Instrument Package Installation Request Form (continued)

Instrument/Sensor Information (page 2 of 3)

Interface Description of interface cable provided (length, wire gauge, # conductors, etc)	With junction box standard.
Communications Protocols supported Communication system isolated? (Y/N) Communication ground referenced to power ground? (Y/N) Data rate (typical/max) (bps) Data frame size (typical/max) (bytes) Data frame rate (typical/max) (Hz)	 Electronics use RS232 which can be converted to the junction box standard, like 422, 485 or TCP/IP Y With final protocol adapted 9600 Baud Rate fixed 48 bytes 1
Command/Control Sensor interface type (command line, menu, other – specify) Output type (raw data, engineering units, other – specify) Output interface (automatic on power up, polled, other – specify)	Command line Raw data Data output upon request
Sampling Sensor require external equipment? (pump, filters, etc) Sampling procedure? Other external measurements for processing?	NO

Appendix B : ONC Instrument Package Installation Request Form (continued)

Instrument/Sensor Information (page 3 of 3)

Antifouling Any special anti-fouling system used or required? (describe)	NO
Toxic Substances Acknowledge that the system does not contain or release any toxic substances (if it does specify in detail)	NO
Operations/Maintenance Any special training requirements to safely use and/or deploy the system? Any special training to process data?	Yes. Carefully handling and deployment on the vent orifice No
Environmental Limitations Temperature Salinity Pressure	NO
Calibration/Verification Needs	NO
Servicing Needs Type (in situ, surface, dock, lab) Frequency	Lab
Known Interferences What other types of instruments are known to interfere with sensor performance?	No
Other Information	