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	Hydrology Operations Manual	

WTW Dissolved oxygen validation LOGSHEET

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Site:			
WTW FDO 700 IQ Serial number:			
Date:			
Technician:			
Handheld meter used:			
Handheld meter calibrated:	Yes at site	Yes at office	No (Circle one)
Entered in asset database:	HYDSYS ☐ Hilltop ☐		

Pre validation checks: Time: _____

	Barometer	Temperature	DO%	DO mg/l	SP Cond.	pH
Site reading:						
Handheld:						

Two point validation prior to removing the sensor cap:

Put the WTW sensor in a calibration chamber, with a small amount of water. Probe should be in air approximately 2 cm above the water in the chamber.

Start time (time the sensor went in the calibration chamber): _____

**Wait 15 minutes for probe to stabilise*

Measurement time (time the measurements below were recorded): _____ (Minimum 15 minutes)

	DO%	Temperature	Barometer
WTW Controller:			
Logger reading WTW:			
Handheld:			

Calculation:

DO% Logger reading: _____ X 1013.25 ÷ Barometer (mbar's): _____ = Corrected Saturation _____

Test the zero point: put the WTW sensor in a container of water mixed with Sodium Sulphite.

Start time (time the sensor went in the solution): _____

**Wait 15 minutes for probe to stabilise*

Measurement time (time the measurements below were recorded): _____ (Minimum 15 minutes)

	DO%	Temperature	Barometer
WTW Controller:			
Logger reading WTW:			
Handheld:			

Calculation:

DO% Logger reading: _____ X 1013.25 ÷ Barometer (mbar's): _____ = Corrected Saturation _____

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Sensor cap / membrane changed: Yes No

(fill out the rest of the form only if the membrane has been changed)

Two point validation on new membrane:

Put the WTW sensor in a calibration chamber, with a small amount of water. Probe should be in air approximately 2 cm above the water in the chamber.

Start time (time the sensor went in the calibration chamber): _____

***Wait 15 minutes for probe to stabilise**

Measurement time (time the measurements below were recorded): _____ (Minimum 15 minutes)

	DO%	Temperature	Barometer
WTW Controller:			
Logger Reading WTW:			
Handheld:			

Calculation:

DO% Logger Reading: _____ X 1013.25 ÷ Barometer (mbar's): _____ = Corrected Saturation _____

Test the zero point: put the WTW sensor in a container of water mixed with Sodium Sulphite.

Start time (time the sensor went in the solution): _____

***Wait 15 minutes for probe to stabilise**

Measurement time (time the measurements below were recorded): _____ (Minimum 15 minutes)

	DO%	Temperature	Barometer
WTW Controller:			
Logger Reading WTW:			
Handheld:			

Calculation:

DO% Logger Reading: _____ X 1013.25 ÷ Barometer (mbar's): _____ = Corrected saturation _____

Post validation checks: Time: _____

	Barometer	Temperature	DO%	DO mg/l	SP Cond.	pH
Site reading:						
Handheld:						

Calculation:

DO% Logger Reading: _____ X 1013.25 ÷ Barometer (mbar's): _____ = Corrected saturation _____