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Sensor Calibration / Validation Schedule

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Introduction:

This section of the manual covers the calibration / validation interval for all sensor types used by Environmental Data, Horizons Regional Council.



Calibration: Means an adjustment is made to the sensor (normally slope and or offset).

Validation: Means a check is performed to ensure the sensor is still meeting the requirements of the parameter it is measuring.

Validation Period: is the maximum period of time between validations.

Life Span: Is how long we should expect the instrument or reference device to operate. (Sensors may remain in service after this date). Generally used for depreciation.

Measured Parameter	Sensor Type	Validation Period	Life span
Conductivity	Tetracon	6 Months	5 Years
Conductivity	EXO Sonde	12 Months	5 Years
Conductivity	AquaTROLL	Daily	5 Years
Dissolved Oxygen	WTW FDO	2 Years	5 Years
Dissolved Oxygen	EXO Sonde	12 Months	5 Years
Dissolved Oxygen	AquaTROLL	Daily	5 Years
Flow Meter Scales	Scales	12 Months	10 Years
Flow Metering	Site Lab	12 Months	10 Years
Levelling	Levels and Staff's	2 Years	10 Years
pH	Wedgewood	6 Months	5 Years
pH	EXO Sonde	3 Months	5 Years
pH	AquaTROLL	Daily	5 Years
Pressure	Druck	12 Months	10 Years
Rain Fall	OTA	12 Months	10 Years
Rain Fall	TB3	12 Months	10 Years
Rain Fall	ROM	(backup data)	5 Years
River Flow	Small Oss / Ott	5 Years	20 Years
River Flow	Large OSS	5 Years	20 Years
River Flow	Rio Grande	10 Years	10 Years
River Flow	Flow Tracker	10 Years	10 Years
River Flow	Son Tek M9	10 Years	10 Years
River Flow	Son Tek S5	5 Years	10 Years
River Flow	Hach	2 Years	10 Years
River Level	EPB	10 years	20 Years
River Level	Staff Gauge	10 Years	20 Years
River Level	Handar	10 Years	20 Years
River Level	Other shaft encoders	5 Years	5 Years
River Level	ISD Wet Transducer	12 Months	10 Years
River Level	Sutron	12 Months	10 Years
River Level	Para-Scientific	12 Months	10 Years
River Level	Ott CBS	12 Months	10 Years
River Level	Pump Pro	12 Months	10 Years
River Level	Radar	Not required	10 Years
River Level	Other pressure sensors	12 Months	5 Years
River Level	Ultrasonic	Not used	Not used
Turbidity	Micro Tol	12 Months	5 Years
Turbidity	WTW	(Lab check data)	5 Years

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Turbidity	EXO Sonde	(Lab check data)	5 Years
Water Temperature	Ebro	1 Year	5 Years
Water Temperature	YSI Pro	1 Year	5 Years
Water Temperature	CS 107 / CS 109	(Hand held check data)	10 Years
Water Temperature	WTW FDO Sensor	(Hand held check data)	5 Years
Water Temperature	EXO Sonde	24 Months	5 Years
Water Temperature	AquaTROLL	12 Months	5 Years
Wind	Viasala	Not required	10 Years