

INSTRUMENT

Tolvan A3 conductivity-temperature sensor

SERIAL NUMBER

FW-A3-40871

CUSTOMER

Severn Estuary Monitoring Partnership

ORDER REFERENCE

SEMP/PO/9134

DATE OF CALIBRATION

3 March 2026

NEXT CALIBRATION DUE

3 January 2028

PROCEDURE

FWL-CAL-114, issue 6

AMBIENT

20.4 C, 61 % RH

Results

Salinity channel, checked against reference standard SR-2 at four points

Reference point	Reference value	As found	As left
Point 1	5.000 psu	4.961 psu	4.997 psu
Point 2	15.000 psu	14.964 psu	14.996 psu
Point 3	25.000 psu	24.962 psu	24.995 psu
Point 4	35.000 psu	34.965 psu	34.997 psu

Summary

As-found bias, mean of four points: -0.037 psu

As-left bias, mean of four points: -0.004 psu

Expanded uncertainty ($k = 2$): 0.008 psu

The instrument was adjusted after the as-found check and passed.

Conductivity cell and thermistor were cleaned before the as-found run.

Signed, calibration engineer

M. Ottaway