

AQUARIUS

Aquarius Standard Solutions

Standard Solutions for
pH calibration,
ORP verification,
Conductivity calibration,
& probe cleaning



- ✓ Inexpensive practical method of calibration
- ✓ Guarantees process equipment is performing to specifications
- ✓ Provides Quality Control to the process
- ✓ Manufactured under QA guidelines

ADVANCED TECHNOLOGY FOR THE NEW MILLENNIUM

Aquarius Standard Solutions

Features and Benefits

Aquarius Calibration Solutions have been manufactured to the exacting standards required of calibration standards.

Highly accurate weight measurements together with the analytical grade chemicals and ultra pure distilled water come together to produce a product that will guarantee the sensing performance of often expensive process equipment.

Coloured dyes for the different calibration solutions provide ease of identification even in dark plant room environments.

Standard size bottles of 500ml provide the perfect tradeoff between availability and shelf life and the low cost of replacement makes the decision of the calibration interval a non event.

Aquarius Calibration Solutions are available to calibrate any pH, ORP or Conductivity process equipment across a wide operating range.

Calibration Procedure

To guarantee that calibration produces the very best results, it is imperative that the calibration solution does not get contaminated. Common sources of contamination include reusing of the solution and/or using with dirty or contaminated probes.

To alleviate these sources of contamination **never** reuse calibration solution but discard as per normal environmental practices. The sensor being calibrated should never be inserted into the bottle of calibration solution as this too can lead to contamination.

It is strongly recommended that a sample of the calibration solution be poured into a clean beaker and that this sample be used for calibration.

The beaker and sensor should be cleaned and washed in distilled water prior to placement in the calibration solution and should be rewashed in distilled water if a different calibration solution is required to complete the calibration process.

The calibration interval will depend on the application and process accuracy required but should be completed at least monthly in potable water applications and weekly in trade waste applications.

Specifications

Product	Description	Size	Accuracy	Shelf Life
Conductivity				
AS0084	84 uS/cm Calibration Solution	500 mls	+/-1 uS/cm	24 months
AS1413	1413 uS/cm Calibration Solution	500 mls	+/-5 uS/cm	24 months
AS2764	2764 uS/cm Calibration Solution	500 mls	+/-10 uS/cm	24 months
AS12880	12.88 mS/cm Calibration Solution	500 mls	+/-0.1 mS/cm	24 months
pH				
AS7007	7.01 Calibration Solution	500 mls	+/-0.01 pH	24 months
AS7004	4.01 Calibration Solution	500 mls	+/-0.01 pH	24 months
AS7010	10.0 Calibration Solution	500 mls	+/-0.01 pH	6 months
ORP				
AS5250	250mV Calibration Solution	500 mls	+/-25 mV	12 months
AS5475	475mV Calibration Solution	500 mls	+/-25 mV	24 months
Electrode Cleaner				
AS9500	Cleaner for pH/ORP probes	500 mls	N/A	24 months

Note that AS5475 is highly acidic and must travel as "Dangerous Goods" - i.e. Road Freight in Australia