CALIBRATION INSTRUCTIONS FOR SMART DIGITAL ORP SENSORS WITH INTELLIGENT 3TX-HiQ-pH TRANSMITTERS

If softwarelock (P01) is "On" then no changes can be made. Set P01 to "Off " to allow calibrations & configuration modifications. The P01 software lock will automatically reset back to "On" if no key is pressed for 60 seconds.

ORP CALIBRATION INSTRUCTIONS

The ORP sensors can only undergo an 'Offset' type calibration performed in manual mode. Automatic calibration mode is disabled for ORP sensors. Toggle to 'Offset' LED mode with 'Mode' and use the 'Up' and 'Down' buttons to adjust mV reading to match desired value of ORP standard solutions or else to agree with an offline determined ORP reference value of the inline process media. Negative values will be shown as flashing. The live working mV offset calibration for ORP sensor can be viewed and adjusted in P16. *

Calibrate ORP mode has a 2 second averaging for & 10 second averaging for the ORP measure mode.

TEMPERATURE CALIBRATION INSTRUCTIONS

Temperature calibrated by pushing the 'Up' or 'Down' buttons when in the temperature display (°C) mode. *

HISTORICAL CALIBRATION VALUES (DISPLAY / READ ONLY PARAMETERS)

- The working mV offset * (P16) can be viewed whether you perform automatic or manual calibrations. **If P01 lock is 'Off', the live P16 values can be manually adjusted (only recommend for experienced users).**
- The historical calibration values can only be downloaded to file via the free ASTI HiQ Windows software
- Use P34 define calibration number shown for mV offset (P35) and temp (P38)
- The historical mV offset * calibrations shown with P35 (Valid for pH sensors & ORP sensors)
- The historical temperature offset calibrations shown with P38 (Valid for all measurement and modes)
- The date associated with each calibration can be viewed as a display feature (see **** explanation below)

DISPLAY FEATURES IN MAIN pH/MV LED MODE:

- The absolute mV value * of sensor is displayed with 'Down' key in pH/mV LED mode.
- The current mA output selected scaling displayed by pressing the 'Up' key in pH/mV LED display mode.
- The production date formatted as (yy.m) is displayed by pressing 'Down' & 'Mode' key simultaneously
- The software revision number is displayed by pressing 'Up' & 'Mode' key simultaneously

DISPLAY FEATURES REQUIRING 3TX-HiQ TO HAVE P01 SOFTWARE LOCK 'ON' TO BE ENABLED

- If 'Down' is pushed in °C LED mode offset in °C units * for current temperature offset calibration is shown.
- If 'Down' is pushed in 'Offset' LED mode, the current offset calibration in units of mV * (P16) is shown

* Negative values shown as flashing.

*****   Calibration reference number (P34) associated with P35-P38 calibrations is accessed by pushing **'Down'** button while value is shown. Date associated with calibration is accessed by pushing **'Up'** button while value is shown: Date format is "H"+ last two digits of year, then "m.dd" where "m" is month shown as 1-9 for Jan-Sept & A=Oct, b=Nov, C=Dec & "dd" is day of month (October 8th 2015 shown as "H15" followed by "b.08")*