

770MAX

1200-25, -26, -27, -28 Smart ORP Preamps for 770MAX

Technical Note TN-0131

It has been found that recently produced smart preamps for 770MAX Detachable ORP Sensors have a chance of having out-of-range Adder calibration constant values stored in them. The main symptom is exceptionally high or low ORP millivolt readings. Normal Adder values are -0.040 to +0.040. (Normal Multiplier values are 0.98 to 1.02.)

The problem may be remedied by setting the ORP preamp Adder value to zero. The Adder value may be accessed through the 770MAX 'Measurements' menu:

Push Menu key
Use Arrow keys to scroll to 'Measurements'
Push Enter key
Use Arrow keys to select the measurement letter (A-P) associated with the ORP reading
Push Page Down key
Push Enter key (twice)
Push '0' on the keypad
Push Menu key (twice)

The new Adder value must also be saved to the smart ORP preamplifier for security in case the sensor is unplugged or power is lost to the 770MAX meter. The Adder value may be saved to the smart ORP preamp by accessing the 770MAX 'Smart Sensors' menu:

Push Menu key
Use Arrow keys to scroll to 'Other Menus'
Push Enter key
Use Arrow keys to scroll to 'Smart Sensors'
Push Enter key
Use Arrow keys to scroll to 'Save Setup Data'
Push Enter key
Use Arrow keys to scroll to the channel (1-4) the preamp is connected to.
Push Enter key (twice)
Push Menu key (twice)

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TN0131 Rev.A 11/07

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