

Engineering Note: EN0082 ORB3 Sensor Factory Default Parameters

Summary: ORB3 Sensor Factory Default Parameters

Products affected: Hydro-Probe Orbiter, Model Number ORB3

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This Engineering Note lists the parameter values that should be used to restore the Hydro-Probe Orbiter (ORB3) units back to the factory default settings.

This table applies only to ORB3 sensors that have the following firmware versions: Software HS0102 Version 1.00 or later

Parameter	ORB3 Default	
Output type	0-20mA (0-10V)	
Output variable 1	Filtered Unscaled	
Measurement Mode	Mode F	
Output variable 2	Material Temp	
High %	20.00	
Low %	00.00	
Input Use 1	Avg. / Hold	
Input/output Use 2	Unused	
Unscaled Type	Mode F	
Unscaled 2 Type	Mode E	
Filtering time	7.5	
Slew rate +	Light	
Slew rate -	Light	
DSP Filter	Unused	
Filter Include	-5.0	
Average hold delay	0 sec	
Averaging Mode	RAW	
High limit (m%)	30.00	
Low limit (m%)	0.00	
High limit (us)	100.00	
Low limit (us)	0.00	
Auto Track Time	0	
Auto Track Max Deviation	0.00	
	Freq. Co	Ampl. Co
Electronics temp. coeff	Factory set	Factory set
Resonator temp. coeff	Factory set	Factory set
Material temp. coeff	0.00000	0.00000

<i>Legacy calibration</i>	<i>Moisture</i>
A	0.0000
B	0.0000
C	0.0000
SSD	0.00
<i>Material calibration</i>	<i>All Modes</i>
A	0.0000
B	0.0000
C	0.0000