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FLNTU Characterization Sheet

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Chlorophyll Scale Factor

Chlorophyll concentration expressed in $\mu\text{g/l}$ can be derived using the equation:

$$\text{CHL } (\mu\text{g/l}) = \text{Scale Factor} \times (\text{Output} - \text{Dark Counts})$$

	Analog	Digital
Dark Counts	0.082 V	52 counts
Scale Factor (SF)	6 $\mu\text{g/l/V}$	0.0072 $\mu\text{g/l/count}$
Maximum Output	5.00 V	4119 counts
Resolution	1.0 mV	1.0 counts
Ambient temperature during calibration	22.3 °C	

Nephelometric Turbidity Unit (NTU) Scale Factor

Turbidity units expressed in NTU can be derived using the equation:

$$\text{NTU} = \text{Scale Factor} \times (\text{Output} - \text{Dark Counts})$$

	Analog	Digital
Dark Counts	0.073 V	50 counts
NTU Solution Value	2.97 V	2420 counts
Scale Factor (SF)	2 NTU/V	0.0024 NTU/count
Maximum Output	5.00 V	4120 counts
Resolution	0.6 mV	0.9 counts
Ambient temperature during calibration	22.3 °C	

See reverse side for definition of terms.