

PO Box 518
620 Applegate St.
Philomath, OR 97370



(541) 929-5650
Fax (541) 929-5277
www.wetlabs.com

FLNTU Characterization Sheet

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Chlorophyll Scale Factor

Chlorophyll concentration expressed in µg/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	0.080 V	58 counts
Scale Factor (SF)	6 µg/l/V	0.0073 µg/l/count
Maximum Output	4.97 V	4120 counts
Resolution	2.0 mV	1.8 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	0.079 V	50 counts
NTU Solution Value	2.98 V	2440 counts
Scale Factor (SF)	2 NTU/V	0.0024 NTU/count
Maximum Output	4.98 V	4122 counts
Resolution	1.4 mV	1.4 counts
Ambient temperature during calibration	22.3 °C	

See reverse side for definition of terms.