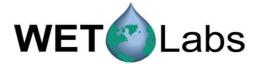
PO Box 518 620 Applegate St. Philomath, OR 97370



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

Scattering Meter Calibration Sheet

2/25/2016 Wavelength: 700

S/N BB2FLB-1410

Use the following equation to obtain "scaled" output values:

$\beta(\theta_c) \text{ m}^{-1} \text{ sr}^{-1} = \text{Sc}$	$\beta(\theta_c) \text{ m}^{-1} \text{ sr}^{-1} = \text{Scale Factor } \times \text{(Output - Dark Counts)}$					
 Scale Factor for 700 nm Output 	=	3.024E-06 meter reading	(m ⁻¹ sr ⁻¹)/ counts	counts		
Dark Counts	=	48	counts			
Instrument Resolution	=	1.2	counts	3.59E-06 (m ⁻¹ sr ⁻¹)		

Definitions:

- Scale Factor: Calibration scale factor, $\beta(\theta_c)$ /counts. Refer to User's Guide for derivation.
- **Output**: Measured signal output of the scattering meter.
- Dark Counts: Signal obtained by covering detector with black tape and submersing sensor in water.

Instrument Resolution: Standard deviation of 1 minute of collected data.