

Serial Number: G4-383

Model Number: 1003A-10174 (900-2500nm)

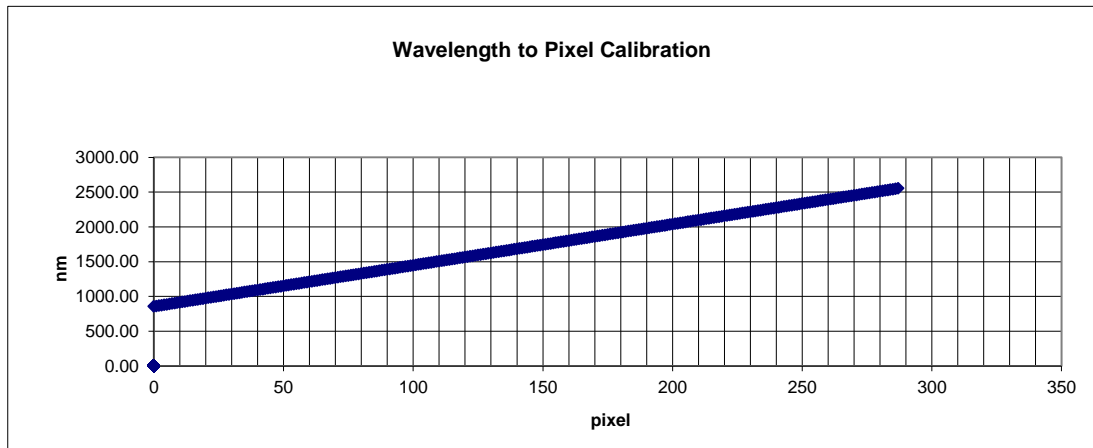
Hyperspec™ Wavelength Calibration Certificate

Slit size: 25um(52615-12)

Calibration Date: 9/21/2015

Operator: MM

Registration Wavelength	1312.56	nm					
Registration Pixel	77.125	p	$\text{Wave(pixel)} = \text{pixel} * \text{Pixel\_Disp} + \text{Pixel0\_Wave}$ $\lambda_{\text{pixel}} = P_{\text{ixel}} * P_{\text{ixelDispersion}} + \lambda_{\text{FirstPixel}}$				
Average Dispersion	246.43	nm/mm					
Nominal Pixel_pitch	0.024	mm					
Average Pixel_Disp	5.914334	nm/p					
Spectral Rows	288	pixels					
Pixel0_Wave	856.416960	nm					
Number	Wavelength (nm)	Source	Pixel Target	Actual	Pixel Dispersion (nm/p)	Calculated Dispersion (nm/mm)	Average Linear Disp (nm/mm)
1	0.0	0	-142				
2	975.18	Kr	21	21.302			
3	1305.75	Diode	76	77.125	5.92	246.74	
4	1442.68	Kr	99				
5	1550.49	Diode	117	118.698	5.91	246.12	<b>246.43</b>
6	1700.00	Kr	142				
7	1816.73	Kr	161				
8	1950.36	Kr (975*2)	183				
Shortest Wavelength	856.4	CCD-end	0				
Longest Wavelength	2553.8	CCD-end	287				



Notes regarding calibration:

- 1) Headwall uses extensive proprietary hardware and software to ensure compliance and calibration accuracy for this specific sensor configuration. Any end-user changes or modifications to the sensor may impact calibration accuracy.
- 2) While Headwall manufacturing certifies that the Hyperspec sensor has been calibrated to meet stringent design specifications, it cannot be guaranteed that shipping stresses have not exceeded acceptable thresholds.
- 3) Factory calibration does not include lens. Fore-optic lens quality may result in slight chromatic corrections which may change accuracy.