

## Virtual Reference™ Analyser

Measurement Technique	Virtual Reference™	
<b>Operation Domain</b>		
Wavelength Range	1260 – 1640 <sup>(1)</sup>	nm
<b>Measurement Parameters</b>		
	Accuracy	
Chromatic Dispersion (CD)	+/- 0.0001	ps/nm
Group Delay (GD)	+/- 0.001	ps
Group Delay Range	~2	ns
Group Velocity Dispersion (GVD)	+/- 0.0001	ps <sup>2</sup>
Dispersion Parameter (D)	N/A <sup>(2)</sup>	
Group Velocity (V <sub>G</sub> )	N/A <sup>(2)</sup>	
Group Index (N <sub>G</sub> )	N/A <sup>(2)</sup>	
<b>Measurement Timing</b>		
Typical Total Measurement Time	< 1	min
Calibration Time	0	min
<b>Measurement Requirements</b>		
Maximum Device Length	0.55 <sup>(3)</sup>	m
Minimum Device Dispersion-Length	N/A <sup>(4)</sup>	
<b>Hardware Requirements</b>		
Tunable Laser Coherence Length	> 30	m
Tunable Laser Resolution	< 1.0	pm
Tunable Laser Data Storage	> 100,000	points
PC	Not Required	
<b>Physical Specifications</b>		
Weight	~15	kg
Size (W x D x H)	17 x 16.5 x 6.5	inches
<b>Financial Information</b>		
Warranty	12	months
Extended Warranty Option	Available	
Financing Option	Available	
Leasing Option	Available	

(1) Tunable laser source available in this range

(2) Measurement accuracy is dominated by length measurement accuracy

(3) Calculated for typical laser source wavelength resolution of 0.1 pm

(4) Depends on laser source bandwidth

Date of revision: 23/02/2010