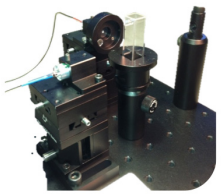
VASCO FLEX



	DTC head	« In situ » head	Thermalized Head	Custom head
Measurement principle	Optical Fiber Dynamic Light Scattering (DLS)			
HARDWARE SPECIFICATIONS (central unit)				
Temperature Monitoring	Yes	Yes + Customer sensor interfacing	Yes	Yes + Customer sensor interfacing
Temperature Range (°C)	15°C - 70°C (option 90°C)	Customer range	5°C - 80°C	Customer range
Min. Sample Volume (µL)	<50µL (cell dependant)			
Sample Cells	Built-in (patented)	In situ	Standard cell*	Custom
Solvent compatibility	Aqueous & Organic solvents	All solvents		
Scattering Angle (°)	135°	170°	170°	Custom
Particle size range	0.5 nm – 10 µm (sample dependant)			
Concentration range	10^{-4} % to 40% volume	10^{-5} % to 5~10% volume (sample dependant)		
Head's weight	3.5 kg	< 0.5 kg	0.5 kg	Custom
Head's dimensions	110 x 185 x 250 mm (HWD)	50 x 25 x 120 mm (HWD)	100 x 90 x 235 mm (HWD)	Custom
Options & accessories	Online measurement	Thermalized cell (10-70°C)	-	-

HARDWARE SPECIFICATIONS (central unit)	
Laser source	High stability laser diode – 65 mW @658 nm (option @488 and @532 nm)
Detector	High sensitivity-low noise Photon counting Avalanche Photodiode (APD)
Data processing	Proprietary hardware correlator and algorithm software : ***NanoQ®***
Accuracy	+/-5% (depending on measurement time)
Calibration	Calibration free. NIST Certified latex suspension available (option) for regular check
Measurement time (typ)	20 sec to 5 min depending on sample and measurement settings
Operating conditions / Storage conditions	15°C to 40°C / -10°C to 50°C – Relative humidity < 70% non condensing
Computer interface / OS	USB 2.0 / Windows XP,7 or 8 – 32 or 64-bits
Dimensions / Weight	Central unit: 132 x 342 x 271 mm / <12 kg
SYSTEM COMPLIANCE	
CE certification	CE marked product - Class 1 laser product – EN-60825-1: 2001, CDRH
Computer interface	ISO 13321 (1996) & ISO 22412 (2008) compliant, CFR 21 part 11 (option)
ACCESSORIES & SERVICES	
	1 year warranty, on site installation and training, online support
	NanoQ® installation CDROM & Instruction manual
	Pelicase™ transportation case (option) http://www.ybc-agency.eu/img/twitter-icon.png
	NIST Certified latex suspension kit (option)

**Cell : disposable cell, glass cell, micro-cell, flow cell …*

Specifications subject to change without notice

This document is not contractually binding under any circumstances | Printed in France - ©Cordouan Technologies 09-2014

Contact :
sales@cordouan-tech.com
service@cordouan-tech.com
11, avenue de Canteranne
33600 Pessac – France
Tel + 33 (0)556 158 045 | Fax +33(0) 547 747 491

www.cordouan-tech.com

@CordouanTech

CORDOUAN Technologies
Enlight the Nanoworld