



Technical Data - SurPASS™ 3

Measuring range:	
Streaming potential	$\pm 2000 \text{ mV} \pm (0.2 \% + 4 \mu\text{V})$
Streaming current	$\pm 2 \text{ mA} \pm (0.2 \% + 1 \text{ pA})$
Cell resistance	$5 \Omega \text{ to } 20 \text{ M}\Omega \pm (2 \% + 0.5 \Omega)$
Pressure measurement	$3500 \text{ mbar} \pm (0.2 \% + 0.5 \text{ mbar})$ external pressure supply (compressed N ₂) required for differential pressure > 1500 mbar
pH value	pH 2 to pH 12
Conductivity	0.1 to 1000 mS/m
Temperature	20 °C to 40 °C
Sample size requirements:	
Clamping Cell	Min. 35 mm x 15 mm or min. 17 mm in diameter Max. thickness: 40 mm
Cylindrical Cell	Particle size >25 μm
Adjustable Gap Cell	20 mm x 10 mm / Max. thickness: 2 mm
Adjustable Gap Cell for Disks	Diameter: 14 mm or 15 mm/ Max. thickness: 2 mm
Technical requirements:	
Mains supply	AC 115 to 230 V, 50 to 60 Hz, 200 VA
Dimensions	600 mm x 432 mm x 245 mm (D x W x H) Footprint: 612 mm x 536 mm (D x W) Clearance: 360 mm
Weight	26 kg
Software requirements	Microsoft Windows® 7 32/64 bit with SP1 or later is required. Windows 7 Starter is not supported. Microsoft Windows® 8 32/64 bit/ Microsoft Windows® Server 2008/2008 R2 32/64 bit with Service Pack 2 or higher is required for Windows Server 2008/ Microsoft Windows® 10 32/64 bit/ Intel® Core™ i3 CPU/ 4 GB RAM (depends on operating system) 20 GB free disk space/ 1 free USB port