



TECHNICAL SPECIFICATIONS

ILLUMINATION													
Light Box	<ul style="list-style-type: none"> ○ Halogen 100W light box ○ Option : 6-position filter wheel (color and ND filters) 												
Spot size on the sample surface	<ul style="list-style-type: none"> ○ Scattering configuration : Manually adjustable from Ø1 mm to Ø13 mm ○ Quasi-Specular configuration: Manually selectable Ø0.5mm Ø1mm Ø1.9mm 												
Beam aperture angle	<ul style="list-style-type: none"> ○ Scattering configuration : Manually adjustable from ±0.15° to ±2.26° ○ Quasi-Specular configuration: Manually selectable ±0.009° ±0.035° ±0.5° 												
Goniometer  	<p>Standard Version</p> <p>REFLECTION MODE</p> <ul style="list-style-type: none"> ○ 0°-90° motorized ○ Angular resolution: selectable (0.1°/1°/10°) ○ Positioning precision: 0.5° <p>TRANSMISSION MODE</p> <ul style="list-style-type: none"> ○ Fixed, $\theta=180^\circ$ <p>Optional upgraded version:</p> <ul style="list-style-type: none"> ○ 0°-180° motorized (REFLECTION & TRANSMISSION) ○ Angular resolution: selectable (0.1°/1°/10°) ○ Positioning precision: 0.3° 												
DETECTION													
Integrated-flux Detector	High dynamic detection system: dynamic= 10^9												
Spectrograph (option)	<ul style="list-style-type: none"> ○ Useful range: 420-900 nm ○ Spectral resolution: selectable (0.6 nm/1 nm/5 nm/10 nm) 												
Optical system	<ul style="list-style-type: none"> ○ Scattering configuration : 3 manually interchangeable optical blocs (2 to be chosen) <table style="margin-left: 40px; border-collapse: collapse;"> <tr> <td style="padding-right: 20px;">Optical bloc</td> <td style="padding-right: 20px;">1</td> <td style="padding-right: 20px;">2</td> <td>3</td> </tr> <tr> <td>Angular acceptance</td> <td>± 2°</td> <td>± 1.1°</td> <td>± 0.04°</td> </tr> <tr> <td>Observed area size</td> <td>Ø14mm</td> <td>Ø8mm</td> <td>Ø6mm</td> </tr> </table> ○ Quasi-Specular configuration: Observed area size : Manually selectable Ø0.5mm Ø1mm Ø1.9mm Beam angle : Manually selectable ±0.009° ±0.035° ±0.5° 	Optical bloc	1	2	3	Angular acceptance	± 2°	± 1.1°	± 0.04°	Observed area size	Ø14mm	Ø8mm	Ø6mm
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Angular acceptance	± 2°	± 1.1°	± 0.04°										
Observed area size	Ø14mm	Ø8mm	Ø6mm										
Goniometer	<ul style="list-style-type: none"> ○ θ: -90° to 90° motorized ○ φ: -90° to 90° motorized ○ Angular resolution: selectable (0.1° /1° /10°) ○ Positioning precision: 0.5° 												
Polarizer/Analyzer set (option)	<ul style="list-style-type: none"> ○ Rapid insertion ○ 0°-90° manual rotation 												
MEASURING TIME													
180° θ -profile	<ul style="list-style-type: none"> ○ “Integrated flux” mode: 45 s ○ “Spectrograph” mode: 10 s 												