

## Technical Specifications CLADE™ MIRA Analyzer

<b>Technology</b>	Mid-infrared FTIR, AquaSpec™
<b>Spectral resolution</b>	4 cm <sup>-1</sup>
<b>Analytically relevant wavenumber range</b>	3050–930 cm <sup>-1</sup>
<b>Detection type</b>	MCT detector, autonomous cryocooling
<b>Autosampler</b>	3-axis Autosampler, PAL RSI 50
<b>Measurement cell</b>	AquaSpec™ eCell, temperature controlled, thin layer <10 µm
<b>Sample volume per measurement</b>	98 µl
<b>Sample requirements</b>	Homogenous aqueous liquid, particle free, pH 3-11
<b>Supported vial</b>	GC standard glass vials (11.6 x 32 mm), ND9, flat bottom
<b>Sample tray deck</b>	54 positions (expandable to 3 x 54)
<b>Operation conditions</b>	Ambient temperature: 18–28 °C Relative humidity: < 75 % Max. altitude: 2000 m above sea level Allowed temp. change 4 K/h, 0.5 K/min
<b>Dimensions</b>	795 mm × 680 mm × 1035 mm (length × width × height)
<b>Space requirements</b>	805 mm × 1100 mm × 1045 mm (length × width × height)
<b>Power Supply</b>	2x 100–240 VAC, 50–60 Hz Autosampler max. 200 W Base Unit max. 300 W
<b>Connections</b>	Ethernet
<b>Weight</b>	78 kg
<b>Noise emission</b>	50 dB(A)

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## Contact us to learn more!

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