

## Technical Specifications MIRA Analyzer MA8

<b>Technology</b>	mid-infrared FTIR, AquaSpec™
<b>Spectral resolution</b>	4 cm <sup>-1</sup>
<b>Usable wavenumber range</b>	3050-980 cm <sup>-1</sup>
<b>Minimum required sample amount</b>	65 µl for quantitative analytics 35 µl for qualitative analytics
<b>Detection type</b>	MCT detector, thermomechanical cooling (Stirling)
<b>Measurement cell</b>	eCell, temperature controlled, thin layer 7-8 µm
<b>Autosampler</b>	3-axis Autosampler, CTC Analytics, PAL3 series
<b>Dimensions</b>	795 mm x 680 mm x 1035 mm (length x width x height)
<b>Space requirements</b>	805 mm x 1100 mm x 1045 mm (length x width x height)
<b>Weight</b>	82 kg
<b>Power Supply</b>	2x 100-240 VAC, 50-60 Hz Autosampler max. 200 W Base Unit max. 300 W
<b>Operating conditions</b>	18-28 °C < 75 % relative humidity max. altitude 2000 m a.s.l allowed temp. change 4 K/h, 0,5 K/min
<b>Connections</b>	network interface, configurable
<b>Sample tray deck</b>	54 positions (expandable to 3 x 54)
<b>Supported vial</b>	vials (11,6 x 32 mm)
<b>Sample volume</b>	35 – 100 µl
<b>Sample condition</b>	aqueous, water-soluble, homogenous, particle free, pH 3-11
<b>Noise emission</b>	50 dB(A)

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