Technical Specifications CLADE™ MIRA Analyzer

Technology	Mid-infrared FTIR, AquaSpec™
Spectral resolution	4 cm^{-1}
Analytically relevant wavenumber range	3050–930 cm^{-1}
Detection type	MCT detector, autonomous cryocooling
Autosampler	3-axis Autosampler, PAL RSI 50
Measurement cell	AquaSpec™ eCell, temperature controlled, thin layer <10 µm
Sample volume per measurement	98 µl
Sample requirements	Homogenous aqueous liquid, particle free, pH 3-11
Supported vial	GC standard glass vials (11.6 x 32 mm), ND9, flat bottom
Sample tray deck	54 positions (expandable to 3 x 54)
Operation conditions	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
Dimensions	795 mm × 680 mm × 1035 mm (length × width × height)
Space requirements	920 mm × 1100 mm × 1045 mm (length × width × height)
Power Supply	2x 100-240 VAC, 50-60 Hz Autosampler max. 200 W Base Unit max. 300 W
Connections	Ethernet
Weight	82 kg
Noise emission	50 dB(A)

Contact us to learn more!

- ✔ https://clade.io/
- ✔ Tarun Mahto
  Sales Account Manager
  Email: sales@clade.io
  Tel: +49 176 126 67 006
- ✔ CLADE GmbH
  Schelztorstraße 54-56
  73728 Esslingen am Neckar
  Germany