

eradens xs

THE WORLD'S SMALLEST  
5-DIGIT DENSITY METER



# Technical Specifications of eradens xs

Standards	ASTM D4052, D5002, D5931, ISO 12185
Density Range	0 - 3 g/cm <sup>3</sup>
Temperature Range	10 °C to 60 °C (50 °F to 140 °F)
Density Accuracy	0.00005 g/cm <sup>3</sup>
Density Repeatability (SD)	0.00001 g/cm <sup>3</sup> (according to ISO 5725)
Density Resolution	0.00001 g/cm <sup>3</sup>
Temperature Accuracy	0.02 °C (0.04 °F)
Measurement Time	15 sec (after temperature equilibration)
Minimum Sample Volume	2 mL
Oscillating Tube	Hastelloy (Patent: US 11,630,044)
Bubble Detection	Yes
Viscosity Correction	Yes - full range correction (Patent: AT 523471 A1)
Operation	Mobile instrument operation with the <b>eralytics</b> app 'eradens xs' (available in all App stores)
Tables & Functions	API, sugar, alcohol, etc.
Interfaces	Micro-USB: Communication to an eralytics analyzer Wireless communication to mobile device (mobile phone, tablet)
Power Requirements	110 – 240 VAC, 50 – 60 Hz
Battery	8 h at 15 °C measuring temperature
Operating Conditions	5 °C - 45 °C up to 90 % rel. humidity (non-condensing)
Dimensions & Weight	W x D x H = 11 x 13 x 16 cm (4.3 x 5.1 x 6.2 in); 1.45 kg (3.2 lb) With battery: W x D x H = 11 x 13 x 21 cm (4.3 x 5.1 x 8.3 in); 2.1 kg (4.5 lb)

Due to continuing product development, specifications are subject to change.

All **eralytics** products are manufactured under ISO 9001 regulations and are CE, ROHS and UL/CSA compliant. [www.eralytics.com](http://www.eralytics.com)



eralytics instruments are available worldwide.  
An international network of over 50 authorized and well-trained distributors is ready to answer your inquiries and to offer local support and service.  
[www.eralytics.com/distribution](http://www.eralytics.com/distribution)

**eralytics**<sup>o</sup>

Autokaderstrasse 29, Building 4A  
1210 Vienna, Austria  
Phone: +43 1 890 50 33 0  
[office@eralytics.com](mailto:office@eralytics.com)  
[www.eralytics.com](http://www.eralytics.com)