

Benchtop Refractometer LBR-A1 series



BENCHTOP REFRACTOMETER LBR-A1 SERIES

Benchtop refractometer LBR-A1 series is an automated unit with high performance linear CCD photosensitive components. Adopts high precision signal collection and analysis technology. Equipped with a sapphire prism for precise refraction and TFT colour touch screen. It measures the refractive index and determines the sugar content of various liquids.

Features

- ◆ LED light source
- ◆ Built in semiconductor for temperature control (LBR-A11, LBR-A12, LBR-A13)
- ◆ Stainless steel sample pool
- ◆ 7 inch TFT colour touch screen
- ◆ High resolution CCD sensor for signal collection

Applications

Used in measuring sugar content of solutions in laboratories, brewing and food industry, chemical industry, research institutes, pharmaceuticals, cosmetic industry, petroleum industry, etc.

Specifications

Model	LBR-A10	LBR-A11
Measuring range	1.3000 nD ~ 1.7000 nD	1.3000 nD ~ 1.7000 nD
Brix range	0.0 ~ 100 %	0.0 ~ 100 %
Temperature control	RT	5 °C ~ 65 °C
Temperature control stability	RT	± 0.03 °C
Brix accuracy	± 0.1 %	± 0.1 %
Fine degrees	± 0.0002	± 0.0002
Data interface	USB RS232	USB RS232
Wavelength	589 nm	589 nm
Power	220 V / 50 Hz	220 V / 50 Hz

Model	LBR-A12	LBR-A13
Measuring range	1.30000 nD ~ 1.70000 nD	1.3000 nD ~ 1.7000 nD
Brix range	0.0 ~ 100 %	0.0 ~ 100 %
Temperature control	5 °C ~ 65 °C	5 °C ~ 90 °C
Temperature control stability	± 0.02 °C	± 0.01 °C
Brix accuracy	± 0.1 %	± 0.01 %
Fine degrees	± 0.00003	± 0.0002
Data interface	USB RS232	USB RS232
Wavelength	589 nm	589 nm
Power	220 V / 50 Hz	220 V / 50 Hz