



Data Function :

Digital laboratory refractometers from Aczel are setting new benchmarks on many counts. An intuitive touchscreen presents a clear overview of all data and functions and the integrated SQL database stores all data and allows external access via a network or standalone PC.

Parameter :

The refractive index can be a parameter in quantitative or qualitative analysis and quality assurance. Degrees of polymerisation can also often be monitored frequently, quickly and cost-efficiently without turbidity or the colour of the sample affecting measurement precision.

Display :

7.0" TFT LCD Touch Screen Display.

Preparation of Sample :

The sample is simply placed on the measuring prism and the measurement process starts.

Resistance :

The flat stainless steel plate is easy to clean and is highly resistant to aggressive substances.

Peltier Temperature :

As the refractive index depends on the temperature of the sample. The CRM-Z series is available with integrated electronic temperature control by means of a Peltier element. This type of temperature control is faster and more reliable, It is possible to carry on using an existing thermostat control.

Aczet uniquely designed :

refractometer sample well and electronic heating and cooling system improves results. For many applications sample temperatures must be accurately controlled within the sample well. When an application requires highly controlled temperature, a temperature controlled presser will assure even and highly accurate temperature stability. A sample in the measurement well that is controlled from both the top and bottom affords the most accurate measurement at a required temperature.

Easy to clean, shallow Sample well - A clean sample well is imperative to accurate measurements.

Durable Sapphire Prisms with Long-life Light sources - Low Life of instrument cost.

Select a Refractometer for your demanding Laboratory application from the wide range of instruments available from Aczet. Aczet is a leading analytical laboratory instrument supplier, manufacturing Precision quality bench top instruments for the Pharmaceutical, Chemical, Petroleum, Petro-Chemical, Food, and Beverage industries. All our instruments are designed to meet specific application requirements of specific industries and all are designed to exceed your requirements. We offer a range of models and numerous configurations and are pleased to advise you as you make a purchase decision for your laboratory

| Model | ARM - Z |
|------------------------------|-------------------------|
| Measuring range | |
| Refractive index nD | 1.3000 - 1.7000 |
| Brix (BX-TC) | 0 - 95% |
| Brix (BX) | 0 - 95% |
| Measuring Accuracy | |
| Refractive index nD | ±0.0002 |
| Dissolved Solids Brix | ±0.1% |
| Measuring Resolution | |
| Refractive Index nD | ±0.0001 |
| Dissolved Solids Brix | ±0.1% |
| Quality | 2kg |
| Outer Size (mm) | 329 x 214 x 150 |
| Temperature Range | |
| Temperature display range | 0-85°C |
| Temperature control range | 0-70°C |
| Temperature control accuracy | ±0.05°C |
| Power Requirements | 230 Vac, ± 20%, 50-60Hz |
| Dimension (LxWxH) | 345 x 245 x 165mm |
| Weight Approx. | 3.5 kg |