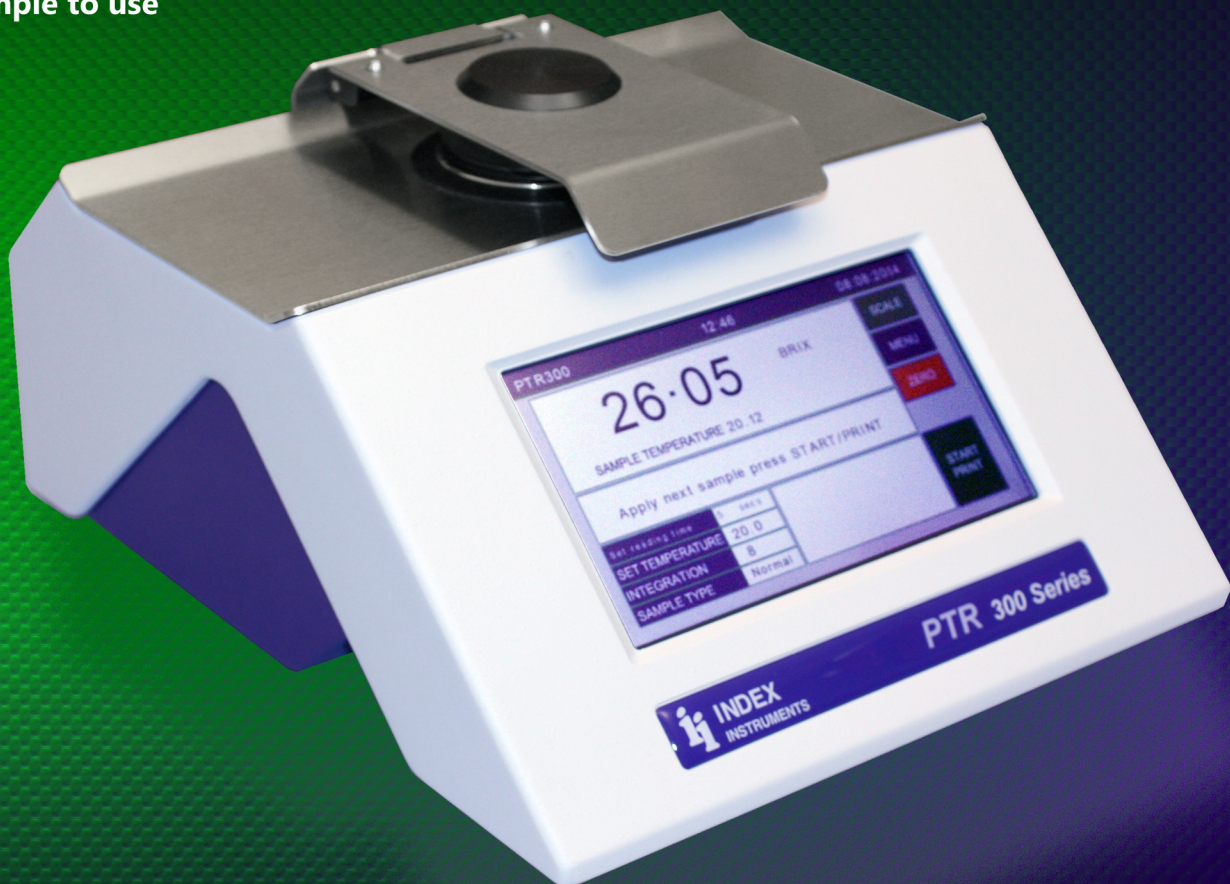


PTR Refractometers

incorporating electronic

temperature control by peltier cell

- Accurate temperature control without a thermocirculator
- Wide range RI - 1.32 to 1.68, Brix 0 to 100
- Resolution up to 0.00001 RI, 0.01 Brix
- Temperature range up to 50°C
- Touch screen display
- **Wide choice of built-in scales:** Refractive Index, Brix, Temperature Corrected Brix, Butyro, HFCS Sodium Chloride, Baumé, Alcohol, Specific Gravity, Urea, user programmable scales
- Bluetooth, USB and RS 232 protocol outputs
- Stores over 1000 test results
- Full GLP capability
- Simple to use



Technical Specification

	PTR 300	PTR 300X
Range:	RI 1.32 to 1.68, Brix 0 to 100% <i>(both models)</i>	
Readability:	0.0001 RI, 0.1 Brix	0.00001 RI, 0.01 Brix
Scales:	Refractive Index (RI), Brix, Temperature Corrected Brix, Butyro, Sodium Chloride, HFCS, Baumé, Alcohol, Specific Gravity, Urea or 'Add Blue', user programmable scales	
Wavelength:	Sodium Yellow 589 nm	
Readout time:	Variable from 1 to 3 seconds, continuous update or single scan with user programmable delay time or SPECIAL FEATURE read only when stable	
Special features:	Set upper and lower warning limits Average and standard deviation of readings	
Memory storage:	> 1000 test results	
Temperature control:	Internal electronic control by Peltier cell	
Temperature stability:	± 0.015°C	
Temperature accuracy:	± 0.05°C at 20°C, thermometer resolution 0.01°C	
Sample temperature control range:	15°C to 50°C	
Working ambient temperature range:	10°C to 30°C PTR will control without assistance 10°C below ambient to 20°C above ambient	
Temperature control assistance:	Available as an option for control assistance by flowing water (need not be temperature controlled)	
Display:	Full colour programmable touch screen display	
Light source:	LED	
Prism material:	Synthetic Sapphire	
Outputs / Inputs:	Bluetooth, USB, RS 232, 1 x remote	
Data output available: (user selectable)	Scale, reading, temperature, time date, serial no., sample number, up to 6 user specified GLP* identifiers, average standard deviation	
Power requirements:	86 to 265V AC, 47 to 63 Hz, <30 watts	
Dimensions:	Refractometer: 258 x 290 x 160 mm Power supply: 80 x 180 x 60 mm	
Weight:	Refractometer: 5.7 kg Power supply: 0.8 kg	
Packed weight:	Approximately 10 kg	

* Good Laboratory Practice

All sizes and weights are approximate. Due to continuing research and technical advances, we reserve the right to alter specifications of any of the products in this leaflet.