



RFM960-C Refractometer

WIDE MEASURING RANGE WITH PELTIER TEMPERATURE CONTROL FOR FLAVOURS, PHARMACEUTICAL, CHEMICAL, PETROCHEMICAL & RESEARCH USE



NEW

**100
YEARS
CENTENARY
EST. 1915**

The new RFM960-C refractometer incorporates the latest instrumentation technology, including a new 4" high-definition colour display, providing a user interface that's easily configured by the operator via intuitive set-up menus. Additionally, over 4,000 results can be saved or exported as secure PDF files via USB or Ethernet connection.

SMART thermal control rapidly equalizes the sample temperature and displays the result only when pre-set criteria has been reached, such as sample temperature stability being held to within ± 0.02 °C for a number of consecutive readings.

RFID swipe technology is standard on the RFM960-C providing user clearance and record of operator and configuration functions, which is especially useful when being used in FDA-controlled environments operating in accordance with 21 CFR Part 11, or where good practice is adopted, e.g. as part of HACCP.

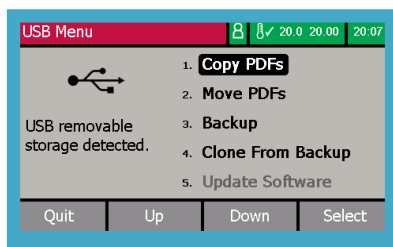
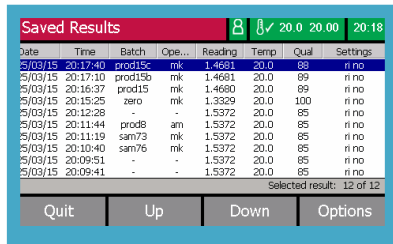
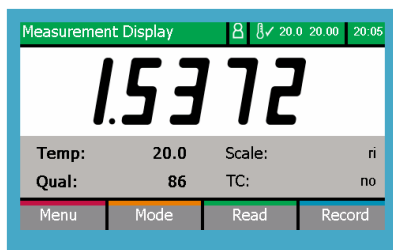
Measurements with the RFM960-C are made through a normal measuring mode or by way of a simple Methods system with one-touch configuration of scale, temperature and data storage, with results being saved alongside pre-set limits that can be used as an audit tool. Methods may be user-defined or selected from the on-board library, such as the PHR-MEAN method that allows a number of individual readings from a single batch of pharmaceutical product to be measured with the resultant mean being displayed and recorded in accordance.

- Wide Measuring range: 1.30 - 1.70 RI
- Four decimal place resolution
- Peltier temperature controlled
- High definition 4" full colour display
- US/EP/BP/JP compliant
- Supports FDA regulation 21 CFR Part 11
- PHR-MEAN & ASTM D 2140 Methods



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RFM960-C Peltier Controlled Refractometer



Latest Software Features

- Save over 4000 readings
- Reading audit trail
- User audit trail
- Configuration audit trail
- Print to secure PDF
- Simple USB "Back-up & Clone"
- User maintenance prompts

Specifications

RFM960-C

Scales	
Refractive Index	1.30 – 1.70
Sugar (°Brix)	0 – 100
User Defined	100
Resolution	
Refractive Index	0.0001
Sugar (°Brix)	0.1
Accuracy	
Refractive Index	± 0.0001
Sugar (°Brix)	± 0.1
User Scale Library	20+ pre-programmed scales including HFCS (3), sugar (4), sucrose SG (3), PHR-MEAN, Urea and more; plus customer programmable user scales via PC.
Reading Time	Minimum 4 seconds
Measuring Temperature Range	10°C below ambient to 80°C
Temperature Sensor Accuracy	± 0.03°C
Sample Temperature Stability	± 0.02°C
Temperature Compensation	
Sucrose (°Brix)	5 – 80 °C
AG Fluid	5 – 40 °C
User Defined	Simple coefficient (units/°C) or polynomial function
Temperature Stability Checks	None/delay time/repeatability/ Smart (independently selectable by Method)
Sample Illumination	Light Emitting Diode 589nm (100,000+ hours)
Prism / Dish	Artificial Sapphire / Stainless Steel 316 / PEEK (spill barrier)
Prism Seal	Kalrez®
Interfaces	3 x USB (A), 1 x USB (B), 1 x Ethernet, 1 x Serial (RS232)
Power	Instrument: 24 V DC, ±5%, <2A External PSU: 100-240V, 50-60Hz (supplied)
Humidity Range	<90% RH (non condensing)

Order Codes

Code	Description
22-65	RFM960-C Peltier temperature controlled refractometer with latest integral 4" full colour HD display and USB/LAN connectivity. Supplied with pack of three RFID tags, instruction manual and certificate of conformity.
22-465	Validation documentation (only) for RFM960-C IQ/OQ/PQ within pharmaceutical environs
55-14	Dot-matrix impact printer, 24 column: Serial (RS232), 230V (UK/Euro plug)
55-16	Dot-matrix impact printer, 24 column: Serial (RS232), 110V (USA plug)
54-02	Serial interface cable for printer
26-292	Spare filters - standard type (pack of 20)

Celebrating 100 years at the forefront of instrument design and manufacture



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