KERN ORT 1RS

Measurement of refraction index for chemists, laboratories and industry



Article codes, product groups & Status information	
Model article-code	ORT 1RS
Model-Serie	ORT-1
Assortment	Microscopes & Optical Metrology
Segment	Refractometers
Product group	Abbe refractometers
Product usage type	Main article
EAN code (Model)	4045761476240
Predecessor Model	ORT 1RS-2.025a
Planned start date	2026-2HJ
Customs tariff number	90275000
CE Label	Yes
Country of Origin	CN

Technical data - Primary	
Scales	Refractive index Brix
Scale Range	1,3000 nD - 1,7000 nD 0 % - 95 %

Technical data - Construction	
Type	Desktop refractometer
Display scale	Analogue
Dimensions (W×D×H)	180×90×240 mm

Technical data - Power supply	
Protection Class	Class III - Low voltage
Battery type	Li-Metal
Battery compartment	Internal - in the housing
WEEE	Yes

Technical data - Measuring system	
Measuring method	Light refraction;Total reflection
Measuring Temp min	20 °C
Measuring Temp max	20 °C
Readout	0,0005 nD 0,25 %
Accuracy	0,0002 nD 0,1 %

Technical data - Environmental conditions	
Storage Temp Min	-5 °C
Stotage Temp Max	40 °C

Technical data - Packing & Shipping	
Dimensions packaging (W×D×H)	380×265×160 mm
Gross weight	2,4 kg
Net weight	1,8 kg
Shipping method	Parcel service
UN number	3091
Packaging component - by weight - cardboard	300 g
Packaging component - by weight - styrofoam	250 g
Packaging component - by weight - foam	160 g
Delivery time	1 d

Technical data - Verification

Functions

Standard



Option

