KERN ORM 1NA

Digital measurement of refraction index for universal application



Article codes, product groups & Status information	
Model article-code	ORM 1NA
Model-Serie	ORM-NA
Assortment	Microscopes & Optical Metrology
Segment	Refractometers
Product group	Digital refractometers
Product usage type	Main article
EAN code (Model)	4045761335523
Predecessor Model	ORF 3SM
Planned start date	2023-1HJ
Customs tariff number	90275000
CE Label	Yes
Country of Origin	CN

Technical data - Primary	
Scales	Refractive index Brix Salt (NaCl) Salt (NaCl) ‰ spec. gravity
Scale Range	1,3330 nD - 1,4200 nD 0,0 % - 50,0 % 0,0 % - 28,0 % 0 ‰ - 280 ‰ 1,000 sg - 1,220 sg

Technical data - Construction	
IP Protection	IP65
Type	Handheld refractometer
Display scale	Digital
Auto-Off	60 s
Prism material	Optical glass
Prism cover lid	Yes
Dimensions (W×D×H)	121×58×25 mm

Technical data - Power supply	
Protection Class	Class III - Low voltage
Cable attachment	Removable
Battery type	Alkali(-Manganese)
Battery compartment	Internal - in the housing

Technical data - Measuring system	
Measuring method	Total reflection
Measuring Temp min	0 °C
Measuring Temp max	40 °C
Readout	0,0001 nD 0,1 % 0,1 % 1 ‰ 0,001 sg
Accuracy	0,0003 nD 0,2 % 0,2 % 2 ‰ 0,002 sg
Averaging measurment	Yes
Averaging measurement quantity	15

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

Technical data - Packing & Shipping	
Dimensions packaging (W×D×H)	170×110×50 mm
Gross weight	0,35 kg

Net weight	0,15 kg
Shipping method	Parcel service
Packaging component - by weight - paper	15,47 g
Packaging component - by weight - cardboard	400 g
Packaging component - by weight - plastics	139,27 g
Packaging component - by weight - foam	8,31 g
Delivery time	1 d

Technical data - Verification

WEEE	Yes

Optional Services

ISO Calobration	961-290

Functions

Standard



Option

