KERN ORM 1CA

Digital measurement of refraction index for universal application



Article codes, product groups & Status information	
Model article-code	ORM 1CA
Model-Serie	ORM-CA
Assortment	Microscopes & Optical Metrology
Segment	Refractometers
Product group	Digital refractometers
Product usage type	Main article
EAN code (Model)	4045761335462
Predecessor Model	ORF 2UM; ORF 5UM; ORF 6US
Planned start date	2023-1HJ
Customs tariff number	90275000
CE Label	Yes
Country of Origin	CN

Technical data - Primary	
Scales	Refractive index Brix CW BF AdBlue®
Scale Range	1,3330 nD - 1,4200 nD 0,0 % - 50,0 % -60,0 °C - 0,0 °C 1,000 kg/l - 1,500 kg/l 0,0 % - 51,0 %

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 °C 0,001 kg/l 0,1 %
Accuracy	0,0003 nD 0,2 % 0,5 °C 0,005 kg/l 2 %
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

