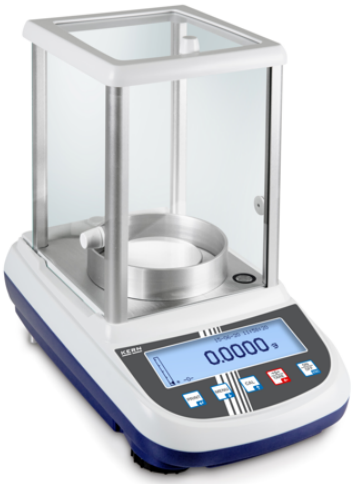
# KERN ALJ 500-4A

Analytical balance with high weighing capacity, graphic display and convenient recipe function




| Article codes, product groups & Status information | |
|---|---|
| Model article-code | ALJ 500-4A |
| Model-Serie | ALJ |
| Assortment | Scales |
| Segment | Laboratory balances |
| Product group | Analytical balances |
| Product usage type | Main article |
| EAN code (Model) | 4045761242975 |
| Predecessor Model | ALJ 500-4A-2.020a |
| Planned start date | 2021-1HJ |
| Customs tariff number | 90160010 |
| CE Label | Yes |
| Country of Origin | CN |

| Technical data - Primary | |
|---|---|
| Weighing capacity | 510 g |
| Readability | 0,0001 g |
| Repeatability | 0,0002 g |
| Linearity | ± 0,0004 g |

| Technical data - Construction | |
|---|---|
| Dimensions draft shield, inner (W×D×H) | 172×185×245 mm |
| Dimensions draft shield, outer (W×D×H) | 210×340×330 mm |
| Bubble Level | Yes |
| Material weighing plate | Stainless steel |
| Revolving screw feet | Yes |
| Casing material | Plastic |
| Weighing space (W×D×H) | 160×170×225 mm |

| Technical data - Display | |
|---|---|
| Display height | 15 mm |
| Backlight | Yes |

| Technical data - Power supply | |
|---|---|
| Mains adapter/adapter included | AUS;CH;EURO;UK;US |
| Input Voltage | country dependent |
| Mains adapter | Power supply unit |
| Interfaces | RS-232 standard |

| Technical data - Measuring system | |
|---|---|
| Calibration method | Internal calibration (automatic) |
| Linearity | ± 0,0004 g |
| Minimum weight (USP) | 400 mg |
| Readability | 0,0001 g |
| Repeatability | 0,0002 g |
| Stabilisation time under laboratory conditions | 4 s |
| Warm up time | 8 h |
| Weighing system | Force compensation |
| Weighing units | Ct;dwt;g;gn;lb;mg;mo;oz;ozt;tl (HK);tl (Singap, Malays);tl (Tw) |

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| | |
|---|---|
| Carat - max capacity | 2.550 ct |
| Carat - readout | 0,001 ct |

## Technical data - Environmental conditions

| | |
|---|---|
| Maximum humidity | 80 % |
| Maximum operating temperature | 35 °C |
| Minimum ambient temperature | 5 °C |

## Technical data - Packing & Shipping

| | |
|---|---|
| Dimensions packaging (W×D×H) | 520×420×535 mm |
| Gross weight | 9 kg |
| Net weight | 7 kg |
| Shipping method | Parcel service |
| Packaging component - by weight - paper | 165 g |
| Packaging component - by weight - cardboard | 2,15 g |
| Packaging component - by weight - plastics | 30 g |
| Packaging component - by weight - foam | 100 g |
| Delivery time | 1 d |

## Technical data - Counting data

| | |
|---|---|
| Counting resolution | 510.000 |
| Mininum piece weight at piece counting (Laboratory) | 1 mg |
| Minimum piece weight | 10 mg |

## Optional Services

| | |
|---|---|
| DAkkS Calibration | 963-101 |

## Functions

Standard

Option