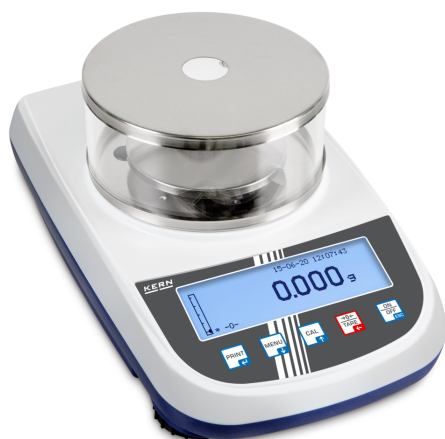


KERN PLS 420-3F



High-quality precision scale with comfortable graphic display and enormous weighing range



Date of creation: 26.09.2026

Category

Brand	KERN
Product category	Laboratory balance
Product group	Precision balance
Product family	PLS

Measuring System

Weighing system	Strain gauge
Weighing capacity [Max]	420 g
USP Minimum weight of sample (k = 2, U = 0.1%)	2 g
Readability [d]	0,001 g
Reproducibility	0,001 g
Linearity	± 0,004 g
Resolution	420.000
Adjustment options	Adjusting with external weight
Recommended adjusting weight	400 g (E2)
Possible calibration points	400 g
Stabilization time	3 s
Eccentric loading at 1/3 [Max]	0,004 g
Weighing capacity [Max] (ct)	2 100 ct
Construction type of the scale	Single-range balance

Units	g
	mg
	gn
	dwt
	tl (Tw)
	tl (HK)
	ozt

	tl (Singap, Malays)
	ct
	mo
	lb
	oz
Maximum creep (15 minutes)	10 mg
Maximum creep (30 minutes)	20 mg
Default unit	g
Readability carat [d] (ct)	0,01 ct

Construction

Dimension housing (W×D×H)	210×340×120 mm
Dimensions completely mounted (W×D×H)	210×340×160 mm
Dimensions ring-shaped draught shield - inner (Ø×H)	150×60 mm
Dimensions ring-shaped draught shield - outer (Ø×H)	160×70 mm
Dimensions weighing surface (Ø)	110 mm
Dimensions weighing surface	110 mm
Material housing	plastic
Material weighing plate	stainless steel
Material platform	stainless steel
Material draught shield	glass
Level indicator	✓
Levelling feet adjustable	✓

Services (optional)

Article number for DAkkS calibration	963-127
Article number for certificate of conformity	969-517

Packing & Shipping

Delivery time	1 d
Dimensions packaging (W×D×H)	500×360×420 mm
Shipping method	Parcel service
Net weight approx.	3,2 kg
Gross weight approx.	4,4 kg
Shipping weight	15,1 kg
Shipping volume weight	15,1 kg

Product information

Warranty Time	36 mon
REACH classification	no prohibited substances

KERN PLS 420-3F



High-quality precision scale with comfortable graphic display and enormous weighing range

Pictograms

STANDARD



OPTION

