KERN **FFN 6K1IPN**

All-round bench scale, protected by stainless steel and IP65 rating



Date of creation: 23.10.2026

Category	
Brand	KERN
Product category	Industrial scale
Product group	IP protected bench scale
Product family	FFN

Measuring System	
Weighing system	Strain gauge
Number of weighing ranges	1
Weighing capacity [Max]	6 kg
Readability [d]	0,001 kg
Reproducibility	0,001 kg
Linearity	± 0,001 kg
Resolution	6.000
Tare range	6 kg
Adjustment options	Adjusting with external weight
Recommended adjusting weight	6 kg (M3)
Possible calibration points	3 kg; 6 kg
Stabilization time	2 s
Eccentric loading at 1/3 [Max]	0,005 kg
Construction type of the scale	Single-range balance
Units	kg lb
Maximum creep (15 minutes)	4 g
Maximum creep (30 minutes)	8 g
Default unit	kg
Warm-up time	30 min

Display	
Display type	LCD
Display backlight	✓
Display segments	5
Display digit height	25 mm

Construction	
Dimension housing (W×D×H)	243×300×127 mm
Dimensions completely mounted (W×D×H)	243×300×127 mm
Dimensions weighing surface (W×D)	233×193 mm
Dimensions weighing surface	233×193 mm
Material housing	stainless steel, plastic
Material weighing plate	stainless steel
Level indicator	✓
Levelling feet adjustable	✓
Load cells - number	1

Functions	
IP protection - complete device	IP65
Auto-off interval(s) in mains power mode	3 min off 5 min 15 min
Tare function	manual (multi)
Underfloor weighing	None
Number of keys for operation	3

Power Supply	
Supplied power supply	Accu & Power supply
Power supply type	Power adapter
Plug-in power supply / adapter for countries - included with the delivery	EURO UK US CH
Plug-in power supply / adapter for countries - optional	EURO AUS UK US CH
Input voltage power supply / power [Max]	110 V - 230 V AC
Input voltage device / power [Max]	12 V, 500 mA
Power socket for mains adapter	Hollow plug, inside plus, Ø outside 5,5 mm, Ø

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	inside 2,1 mm, long 9,5 mm
Battery / accumulator type	Pb
Battery	no battery
Battery connection	Plug-in terminals
Battery – Individual weight	680 g
Rechargeable battery	WTB-A01N
Rechargeable battery operating time - backlight on	30 h
Rechargeable battery operating time - backlight off	50 h
Rechargeable battery charging time	12 h
Battery/Accu connected	fixed electrical connection, not insulated

Environmental conditions

Ambient temperature [Min]	-10 °C
Ambient temperature [Max]	40 °C
Humity of environment [Min]	25 %
Humity of environment [Max]	95 %
Storage temperature [Min]	-20 °C
Storage temperature [Max]	60 °C

Services (optional)

Article number for adjustment at the location of installation	961-248
Article number for DAkkS calibration	963-128
Article number for certificate of conformity	969-517

Packing & Shipping

Delivery time	1 d
Dimensions packaging (W×D×H)	310×402×205 mm
Shipping method	Parcel service
Net weight approx.	4,0 kg
Gross weight approx.	4,6 kg
Shipping weight	5,1 kg
Shipping volume weight	5,1 kg

Product information

GTIN/EAN number	4045761134072
Trade number	84238129
Warranty Time	24 mon
REACH classification	no prohibited substances

Pictograms

STANDARD



OPTION

