KERN IXC 100K-3L



Convenience for industry: Stainless steel platform scales with up to four interfaces and intuitive operation



Category				
Brand	KERN Industrial scale			
Product categoriy				
Product group	Platform scale			
Product family	IXC			
Measuring System				
Construction type of the scale	Single-range balance			
Number of weighing ranges	1			
Weighing system	Strain gauge			
Weighing capacity [Max]	150 kg			
Readability [d]	0,005 kg			
Resolution	30.000			
Linearity	± 0,015 kg			
Reproducibility	0,005 kg			
Default unit	kg			
Units	kg g lb ffa PCS %			
Adjustment options	Adjusting with external weight			
Recommended adjusting weight	150 kg (M1)			
Stabilization time	3 s			
Warm-up time	120 min			
Eccentric loading at 1/3 [Max]	0,025 kg			
Maximum creep (15 minutes)	20 g			
Maximum creep (30 minutes)	40 g			
Loadcell type	aluminium IP65 silicone- coated			
Load cell connection	6-wire			

CE mark✓DisplayLCDDisplay typeLCD with backlightDisplay typeLCD with backlightDisplay screen size160×60 mmDisplay backlight✓Display digit height48 mmLanguages of the user interfaceEnglish Symbol languageDimension display device (W×D×H)232×150×80 mmDimension display device (W×D×H)232×150×80 mmDimensions weighing platform (W×D×H)650×500×139 mmMaterial display housingstainless steelMaterial weighing platestainless steelMaterial weighing surface (W×D)650×500 mmDisplay device cable length3 mAllowed cable length display device [Max]10 mMaterial load cell(s)aluminiumLoad cells - number1Levelling feet adjustable Wall mount✓FunctionsoffNumber of keys for operation mode7Auto-off interval(s) in mains power modeoff5 min 2 min5 min 2 min					
DisplayDisplay typeLCDDisplay typeLCD with backlightDisplay screen size160×60 mmDisplay backlight✓Display digit height48 mmLanguages of the user interfaceEnglish Symbol languageConstruction232×150×80 mmDimension display device (W×D×H)232×150×80 mmDimension display device (W×D×H)650×500×139 mmMaterial display housingstainless steelMaterial display housingstainless steelMaterial platform650×500 mmDimensions weighing surface (W×D×H)650×500 mmDisplay device cable length3 mAllowed cable length display device [Max]10 mLavelling feet adjustable✓Vall mount✓Functions7Number of keys for operation mode7Auto-off interval(s) in mains power modeoff5 min 2 min5 min 2 min	Approval				
Display typeLCDDisplay typeLCD with backlightDisplay screen size160×60 mmDisplay backlight✓Display digit height48 mmLanguages of the user interfaceEnglish Symbol languageConstruction232×150×80 mmDimension display device (W×D×H)232×150×80 mmDimensions weighing platform (W×D×H)650×500×139 mmMaterial display housingstainless steelMaterial platform650×500 mmDimensions weighing platestainless steelMaterial platform650×500 mmDisplay device cable length3 mAllowed cable length display device [Max]10 mMaterial load cell(s)aluminiumLoad cells - number1Levelling feet adjustable✓Wall mount✓Functions7Number of keys for operation mode7Auto-off interval(s) in mains power mode5 min 2 min	CE mark	\checkmark			
Display typeLCD with backlightDisplay screen size160×60 mmDisplay backlight✓Display digit height48 mmLanguages of the user interfaceEnglish Symbol languageConstruction232×150×80 mmDimension display device (W×D×H)232×150×80 mmDimensions weighing platform (W×D×H)650×500×139 mmMaterial display housingstainless steelMaterial weighing platestainless steelMaterial platform (W×D)650×500 mmDimensions weighing surface (W×D)650×500 mmDisplay device cable length3 mAllowed cable length display device [Max]10 mMaterial load cell(s) aluminiumaluminiumLoad cells - number1Levelling feet adjustable✓Wall mount✓FunctionsoffNumber of keys for operation mode7Auto-off interval(s) in mains power modeoff5 min 2 min5 min 2 min	Display				
Display screen size160×60 mmDisplay backlight✓Display digit height48 mmLanguages of the user interfaceEnglish Symbol languageConstruction232×150×80 mmDimension display device (W×D×H)232×150×80 mmDimensions weighing platform (W×D×H)650×500×139 mmMaterial display housingstainless steelMaterial platformsteel, powder-coatedDimensions weighing surface (W×D)650×500 mmDisplay device cable length3 mAllowed cable length display device [Max]10 mMaterial load cell(s)aluminiumLoad cells - number1Levelling feet adjustable✓Wall mount✓Functions7Auto-off interval(s) in mains power modeoffS min 2 min5 min 2 min	Display type	LCD			
Display backlight✓Display digit height48 mmLanguages of the user interfaceEnglish Symbol languageConstruction232×150×80 mmDimension display device (W×D×H)232×150×80 mmDimensions weighing platform (W×D×H)650×500×139 mmMaterial display housingstainless steelMaterial display housingstainless steelMaterial platform (W×D)650×500 mmDimensions weighing platestainless steelMaterial platform650×500 mmDimensions weighing surface (W×D)650×500 mmDisplay device cable length3 mAllowed cable length display device [Max]10 mMaterial load cell(s)aluminiumLoad cells - number1Levelling feet adjustable✓Vall mount✓Functions7Auto-off interval(s) in mains power modeoffSimin 2 min2 min	Display type	LCD with backlight			
Display digit height48 mmLanguages of the user interfaceEnglish Symbol languageConstruction232×150×80 mmDimension display device (W×D×H)232×150×80 mmDimensions weighing platform (W×D×H)650×500×139 mmMaterial display housingstainless steelMaterial weighing platestainless steelMaterial platformsteel, powder-coatedDimensions weighing surface (W×D)650×500 mmDisplay device cable length3 mAllowed cable length display device [Max]10 mMaterial load cell(s)aluminiumLoad cells - number1Levelling feet adjustable✓Wall mount✓Functions7Number of keys for operation mode7Auto-off interval(s) in mains power mode5 min 2 min	Display screen size	-			
Languages of the user interfaceEnglish Symbol languageConstruction232×150×80 mmDimension display device (W×D×H)232×150×80 mmDimensions weighing platform (W×D×H)650×500×139 mmMaterial display housingstainless steelMaterial weighing platestainless steelMaterial platformsteel, powder-coatedDimensions weighing surface (W×D)650×500 mmDisplay device cable length3 mAllowed cable length display device [Max]10 mMaterial load cell(s)aluminiumLoad cells - number1Levelling feet adjustable✓Wall mount✓Functions7Auto-off interval(s) in mains power mode5 min 2 min	Display backlight	✓			
Languages of the user interfaceSymbol languageSymbol languageConstructionDimension display device (W×D×H)232×150×80 mmDimensions weighing platform (W×D×H)650×500×139 mmMaterial display housingstainless steelMaterial weighing platestainless steelMaterial platformsteel, powder-coatedDimensions weighing surface (W×D)650×500 mmDisplay device cable length3 mAllowed cable length display device [Max]10 mLoad cells - number1Levelling feet adjustable✓Wall mount✓FunctionsNumber of keys for operation mode5 min 2 min5 min 2 min	Display digit height	48 mm			
Dimension display device (W×D×H)232×150×80 mmDimensions weighing platform (W×D×H)650×500×139 mmMaterial display housingstainless steelMaterial weighing platestainless steelMaterial platformsteel, powder-coatedDimensions weighing surface (W×D)650×500 mmDisplay device cable length3 mAllowed cable length display device [Max]10 mMaterial load cell(s)aluminiumLoad cells - number1Levelling feet adjustable✓Wall mount✓Functions7Auto-off interval(s) in mains power modeoff5 min 2 min5 min	Languages of the user interface	÷			
Dimensions weighing platform (W×D×H)650×500×139 mmMaterial display housingstainless steelMaterial weighing platestainless steelMaterial platformsteel, powder-coatedDimensions weighing surface (W×D)650×500 mmDisplay device cable length3 mAllowed cable length display device [Max]10 mMaterial load cell(s)aluminiumLoad cells - number1Levelling feet adjustable✓Wall mount✓Functions7Auto-off interval(s) in mains power modeoff5 min 2 min5 min 2 min	Construction				
(W×D×H)850×500×139 mmMaterial display housingstainless steelMaterial weighing platestainless steelMaterial platformsteel, powder-coatedDimensions weighing surface (W×D)650×500 mmDisplay device cable length3 mAllowed cable length display device [Max]10 mMaterial load cell(s)aluminiumLoad cells - number1Levelling feet adjustable✓Wall mount✓FunctionsNumber of keys for operation mode5 min 2 min5 min 2 min		232×150×80 mm			
Material weighing platestainless steelMaterial platformsteel, powder-coatedDimensions weighing surface (W×D) 650×500 mmDisplay device cable length3 mAllowed cable length display device [Max]10 mMaterial load cell(s)aluminiumLoad cells - number1Levelling feet adjustable✓Wall mount✓Functions7Number of keys for operation mode7Auto-off interval(s) in mains power modeoff5 min 2 min5 min 2 min	0 01	650×500×139 mm			
Material platformsteel, powder-coatedDimensions weighing surface (W×D) $650\times500 \text{ mm}$ Display device cable length3 mAllowed cable length display device [Max] 10 m Material load cell(s)aluminiumLoad cells - number1Levelling feet adjustable \checkmark Wall mount \checkmark FunctionsNumber of keys for operation modeAuto-off interval(s) in mains power modeoff5 min 2 min2 min	Material display housing	stainless steel			
Dimensions weighing surface (W×D)650×500 mmDisplay device cable length3 mAllowed cable length display device [Max]10 mMaterial load cell(s)aluminiumLoad cells - number1Levelling feet adjustable✓Wall mount✓FunctionsNumber of keys for operation modeAuto-off interval(s) in mains power modeoff5 min 2 min5 min 2 min	Material weighing plate	stainless steel			
(W×D)050×500 mmDisplay device cable length3 mAllowed cable length display device [Max]10 mMaterial load cell(s)aluminiumLoad cells - number1Levelling feet adjustable✓Wall mount✓FunctionsNumber of keys for operation modeAuto-off interval(s) in mains power modeoff5 min 2 min5 min 2 min	Material platform	steel, powder-coated			
Allowed cable length display device [Max]10 mMaterial load cell(s)aluminiumLoad cells - number1Levelling feet adjustable✓Wall mount✓FunctionsNumber of keys for operation modeAuto-off interval(s) in mains power modeoff5 min 2 min5 min 2 min		650×500 mm			
device [Max]IO mMaterial load cell(s)aluminiumLoad cells - number1Levelling feet adjustable✓Wall mount✓FunctionsNumber of keys for operationAuto-off interval(s) in mains power modeoff5 min 2 min5 min 2 min	Display device cable length	3 m			
Load cells - number1Levelling feet adjustable✓Wall mount✓Functions✓Number of keys for operation Auto-off interval(s) in mains power mode7Sin 2Sin 2Sin 2Sin 2Sin 2Sin 2	e	10 m			
Levelling feet adjustable Wall mount✓Functions✓Number of keys for operation Auto-off interval(s) in mains power mode7Suppose Suppose ModeoffSuppose Suppose Suppose Mode5Suppose Suppose Suppose Mode5Suppose Suppos	Material load cell(s)	aluminium			
Wall mount✓FunctionsNumber of keys for operation7Auto-off interval(s) in mains power modeoff5 min 2 min	Load cells - number	1			
Functions 7 Number of keys for operation 7 Auto-off interval(s) in mains power mode off 5 min 2 min	Levelling feet adjustable	1			
Number of keys for operation 7 Auto-off interval(s) in mains power mode off 5 min 2 min 2 min	Wall mount	\checkmark			
Auto-off interval(s) in mains power mode off 5 min 2 min	Functions				
mode 5 min 2 min	Number of keys for operation	7			
2 min		off			
mode/rechargeable battery mode 30 min 60 min 30 sec	Auto-off interval(s) in battery mode/rechargeable battery mode	2 min 1 min 30 min 60 min			
Capacity - Display 🗸	Capacity - Display	✓			
PreTare function 🗸	PreTare function	1			
Tare function manual (multi)	Tare function	, ,			
Hold function					
Percentage determination	-	-			
Counting function	-	1			
Tolerance weighing	Tolerance weighing	•			
Tolerance weighing - type of signal acoustically visual	Tolerance weighing - type of signal	•			

KERN IXC 100K-3L



Convenience for industry: Stainless steel platform scales with up to four interfaces and intuitive operation

Function for averaging under				
unstable weighing conditions	✓ Sum A ✓ optional internal memory 250.000			
Recipe/summing level				
Sum memory function				
Alibi memory				
Alibi memory - number of memory spaces				
Interfaces	RS-232 (optional, factory) Ethernet (optional, factory) WiFi (optional, factory) Alibi memory (optional, factory) analogue (0 - 10 V) (optional, factory) analogue (4 - 20 mA) (optional, factory) Bluetooth BLE (v4.0) (optional, factory) USB-Device (optional, factory)			
IP protection - complete device	-			
IP protection - display	IP68			
IP protection - load cell	IP65			
IP protection - platform	no IP protection			
Counting				
Counting Smallest piece weight when piece counting - laboratory conditions	5 g			
Smallest piece weight when piece	5 g 50 g			
Smallest piece weight when piece counting - laboratory conditions Smallest piece weight when piece				
Smallest piece weight when piece counting - laboratory conditions Smallest piece weight when piece counting - normal conditions Counting reference weight can be	50 g			
Smallest piece weight when piece counting - laboratory conditions Smallest piece weight when piece counting - normal conditions Counting reference weight can be entered	50 g ✓ 5, 10, 20, 50, n (any			
Smallest piece weight when piece counting - laboratory conditions Smallest piece weight when piece counting - normal conditions Counting reference weight can be entered Reference quantity Counting resolution (laboratory	50 g ✓ 5, 10, 20, 50, n (any number of pieces)			
Smallest piece weight when piece counting - laboratory conditions Smallest piece weight when piece counting - normal conditions Counting reference weight can be entered Reference quantity Counting resolution (laboratory conditions)	50 g ✓ 5, 10, 20, 50, n (any number of pieces)			
Smallest piece weight when piece counting - laboratory conditions Smallest piece weight when piece counting - normal conditions Counting reference weight can be entered Reference quantity Counting resolution (laboratory conditions) Power Supply Input voltage power supply /	50 g ✓ 5, 10, 20, 50, n (any number of pieces) 30.000			
Smallest piece weight when piece counting - laboratory conditions Smallest piece weight when piece counting - normal conditions Counting reference weight can be entered Reference quantity Counting resolution (laboratory conditions) Power Supply Input voltage power supply / power [Max]	50 g ✓ 5, 10, 20, 50, n (any number of pieces) 30.000 110 V - 240 V AC			
Smallest piece weight when piece counting - laboratory conditions Smallest piece weight when piece counting - normal conditions Counting reference weight can be entered Reference quantity Counting resolution (laboratory conditions) Power Supply Input voltage power supply / power [Max] Plug-in power supply type	50 g ✓ 5, 10, 20, 50, n (any number of pieces) 30.000 110 V - 240 V AC Built-in power supply			
Smallest piece weight when piece counting - laboratory conditions Smallest piece weight when piece counting - normal conditions Counting reference weight can be entered Reference quantity Counting resolution (laboratory conditions) Power Supply Input voltage power supply / power [Max] Plug-in power supply type Supplied power supply Plug-in power supply / adapter for countries - included with the	50 g ✓ 5, 10, 20, 50, n (any number of pieces) 30.000 110 V - 240 V AC Built-in power supply Power supply unit			

Rechargeable battery operating time - backlight on	20 h				
Rechargeable battery operating time - backlight off	48 h				
Battery	no battery				
Battery / accumulator type	Li-Ion				
Environmental conditions					
Humity of environment [Min]	0 %				
Humity of environment [Max]	80 %				
Ambient temperature [Min]	-10 °C				
Ambient temperature [Max]	40 °C				
Packing & Shipping					
Readability force [d] (N)	1 d				
Dimensions packaging (W×D×H)	1050×680×245 mm				
Net weight	18,3 kg				
Shipping method	Parcel service				
Net weight approx.	19 kg				
Gross weight approx.	24 kg				
Shipping weight	35 kg				
Services (optional)					
Article number for adjustment at the location of installation 961-249					
Article number for DAkkS calibration	963-129				
Article number for certificate of conformity (verification)	969-517				
Pictograms					
STANDARD					
KCP GLP Image: Constraint of the second sec	%				
IND Image: Constraint of the second sec					
OPTION					
DAkkS ET +3 DAYS					

FACTORY

	• 688. •	$\stackrel{\bullet}{\longleftrightarrow}$	الا	((:-	臺	D⁄A	••	
ALIBI	RS 232	USB	BT	WIFI	LAN	ANALOG	ACCU	