

PROFESSIONAL MEASURING

180 YEARS
since 1844
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KERN Segment Industry + Food





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Agenda

- **Introduction Segment Industry + Food**
- **Presentation Of The Product Range**
 - Bench Scales
 - Price Computing Scales
 - Counting Scales
 - Platform Scales
 - Floor Scales, Pallet Scales, Drive-through Scales
 - Indicators
- **Outlook 2025**
- **Explosion Protected Equipment**
 - KXC-EX2
- **Hands-On & Discussions**



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Bench Scales



Bench Scales



ECB /ECE



FCE



FCF



GAB



FCB



FKB



FOB



FOB-S



FOB-NS



FOB-NL
/
FOB-LM



WTB



FFN



FXN

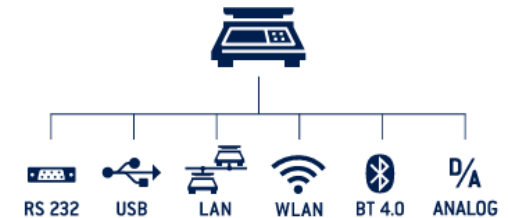
Bench Scales - FCB

- Unified operating philosophy
- Wide range of functions
- Wide variety of interfaces (KUP)
- KCP interface protocol
- Unified accessories
- High resolution (12.000 - 150.000d)
- Approved models available from Q3 2024
- RTC and Alibi Memory as standard
- Replacement of GAB



Bench Scales - FKB

- Unified operating philosophy
- Wide range of functions
- Wide variety of interfaces (KUP)
- KCP interface protocol
- Unified accessories
- High resolution (30.000 - 360.000d)





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Price Computing Scales



Price Computing Scales



RIB



RPB

Second display	yes	yes
Elevated display	optional	optional
Direct price keys	10 (+20)	10
Auto clear	No	yes
Interfaces	-	RS232
Units	€/kg	€/kg or €/100g



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Counting Scales



Counting Scales



CIB



CXB



CPB



CFS



CKE



IFS



CDS



CCA

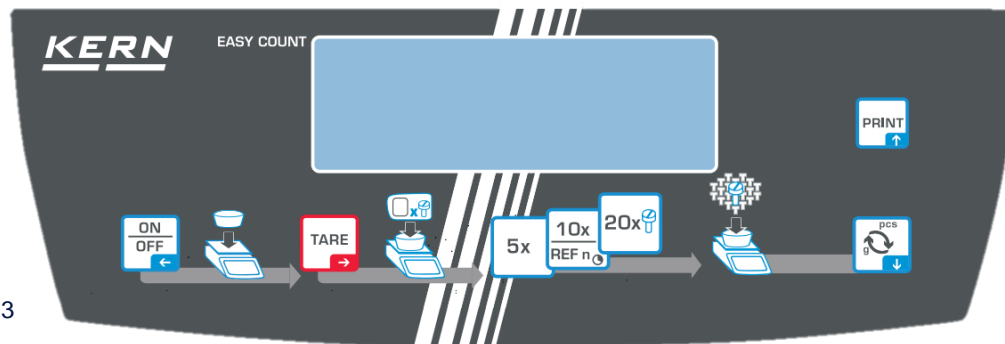


CCS

Counting Scales - CKE and CDS



- Unified operating philosophy
- Self-explanatory control panel
- Wide variety of interfaces (KUP)
- KCP interface protocol
- Unified accessories
- Counting resolution (160.000 - 360.000d)





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Platform Scales



Platform Scales



EOE



EOB



EOS



DE



EOC



DS



IOC



IFB



IFC



IXC



SFB



SFE



SXC

Platform Scales - DS

- Unified operating philosophy
- Wide range of function
- Wide variety of interfaces (KUP)
- KCP interface protocol
- Unified accessories
- High resolution (100.000 - 300.000d)



Platform Scales - IFC

- Unified operating philosophy
- Unified accessories
- Wide range of functions
- RTC as standard
- Wide variety of interfaces (KUP)
- KCP interface protocol
- Alibi memory as option
- Indicator: plastic
- Platform: painted steel – Load cell: aluminum (IP65)



Platform Scales - IXC

- Unified operating philosophy
- Wide range of function
- Wide variety of interfaces (**KUM**)
- KCP interface protocol
- Unified accessories
- Alibi memory and RTC as option
- Indicator: stainless steel (IP68)
- Platform: painted steel – Load cell: aluminum (IP65)



Platform Scales - SXC

- Unified operating philosophy
- Wide range of function
- Wide variety of interfaces (**KUM**)
- KCP interface protocol
- Unified accessories
- Alibi memory and RTC as option
- Indicator: stainless steel (IP68)
- Platform: stainless steel – Load cell: stainless steel (IP68)



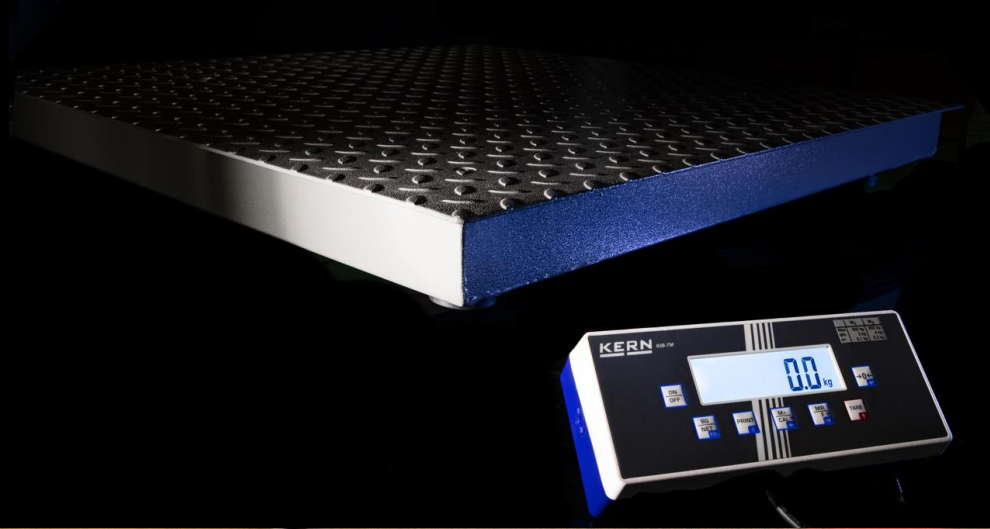


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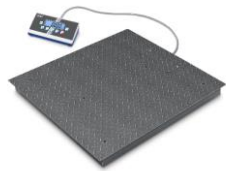
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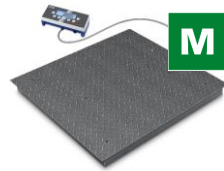
Floor Scales, Pallet Scales, Drive-through Scales



Floor Scales, Pallet Scales, Drive-through Scales



BIC



BID



BFB



BFN



UIB



UID



UFB



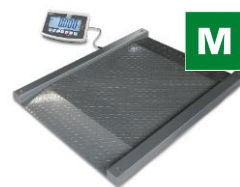
UFN



UFA



NIB



NFB



NFN



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Indicators



Indicator - KFC-TM

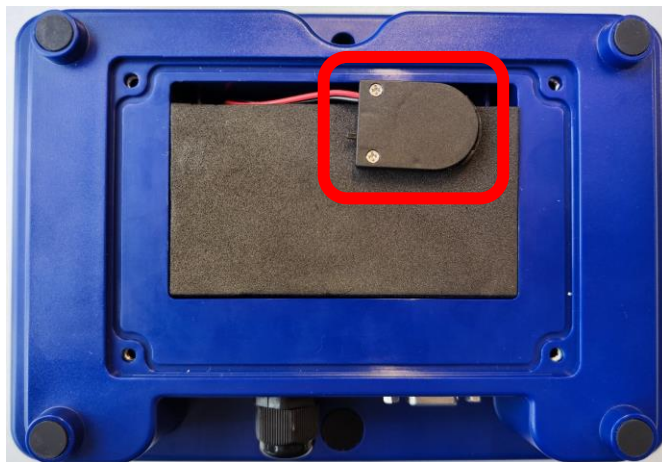
Configuration as required

- Resolution: 100 – 999.999d
- Resolution approved: 3.000e / 2x 3.000e
- Single range / 2 x Multi range / 2 x Multi intervall
- Freely selectable adjustment points
- 2 / 3 / 5 - Point linearization
- Power-on zero setting range / Zero-Tracking / Tare range adjustable
- Units: kg, g, lb, ffa, PCS, %



Indicator - KFC-TM

- Screw terminal block for load cell connection
- RTC as standard
- Alibi memory as option (plug-in unit)
- Battery for RTC in battery case



Indicator - KXC-TM

Configuration as required

- Resolution: 100 – 999.999d
- Resolution approved: 3.000e / 2x 3.000e
- Single range / 2 x Multi range / 2 x Multi intervall
- Freely selectable adjustment points
- 2 / 3 / 5 - Point linearization
- Power-on zero setting range / Zero-Tracking / Tare range adjustable
- Units: kg, g, lb, ffa, PCS, %



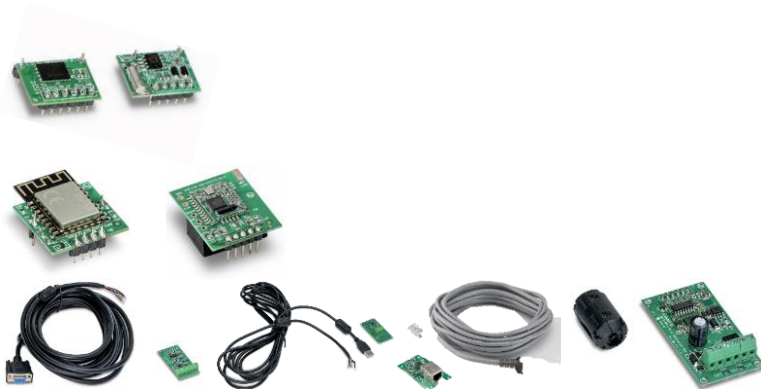
Indicator - KXC-TM

- Stainless steel housing IP68
- Stainless steel cable glands IP68



Indicator - KXC-TM

- Screw terminal block for load cell connection
- RTC and alibi memory as option (plug-in unit)
- Slots for interfaces
 - 2x wireless interfaces
 - 2x cable interfaces



Indicator - KXC-TM

Sealing on AD-Converter

- Battery replacment
- Adding accessories afterwards
- Simplified service





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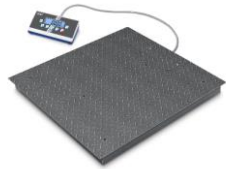
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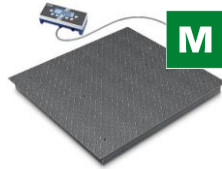
Outlook 2025



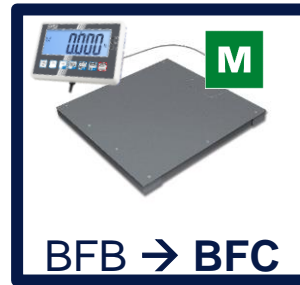
Outlook 2025 - New series



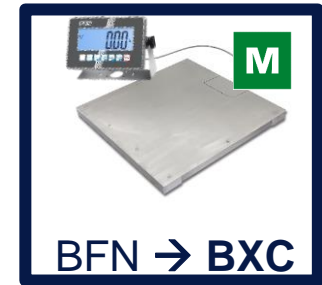
BIC



BID



BFB → BFC



BFN → BXC



UIB



UID



UFB → UFC



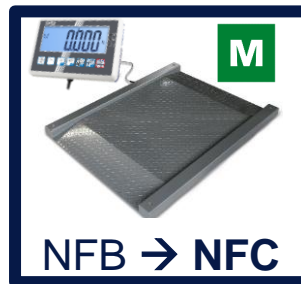
UFN → UXC



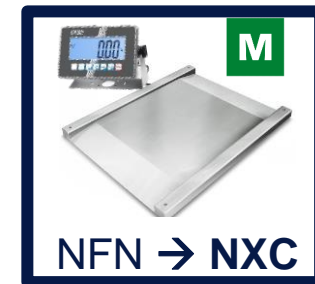
UFA



NIB



NFB → NFC



NFN → NXC



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EXPLOSION PROTECTED EQUIPMENT

SOME BASICS

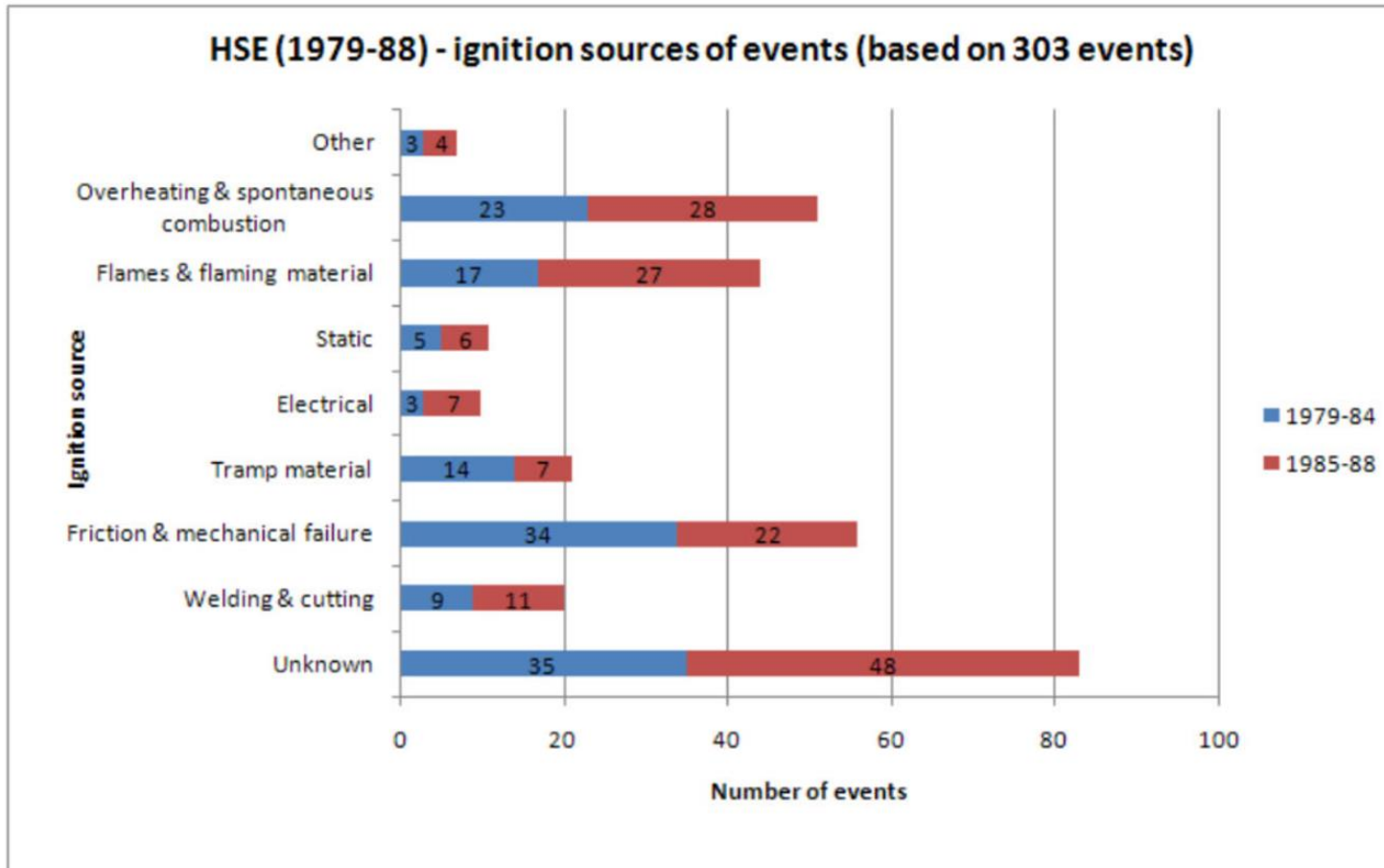


Areas with an explosive atmosphere – Categories and Zones

Risk	Explosive atmosphere	Danger of explosion due to		Manufacturer Category
		Gas	Dust	
High	Frequently	Zone 0	Zone 20	Category 1
Medium	Likely	Zone 1	Zone 21	Category 2
Low	Short period	Zone 2	Zone 22	Category 3
Directive 1999/92/EC				Directive 2014/34/EC

Actual KERN ATEX Project

Ignition Sources for Dust Explosions





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KERN KXC-EX2

ATEX WEIGHING TERMINAL / PLATFORMSCALES / FLOORSCALES

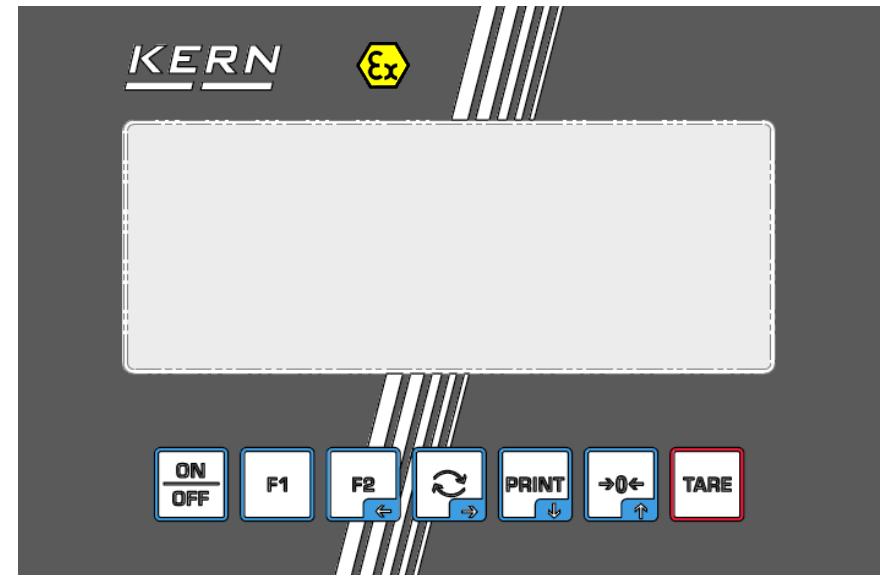


KERN ATEX CATEGORY 3 ASSORTMENT		Options
<p>Weighing terminal, stainless steel IP65 230VAC internal power supply</p>		<p>RS232, LAN, USB-Device, Bluetooth, WiFi, Alibi memory</p>
<p>Platform scales 6 – 300kg IP65 or IP68</p>		
<p>Floor scales (Pallet-, Drive-through- and Floorscales)</p>		
<p>Interchangeable battery 10Ah (Platform scale without backlit > 160h operation!)</p>		

No compromise

Compatible with KXC Terminal

- Identical Software
- Same keypad and display
- Mounting possibilities are the same:



- Metrological performance unchanged
- Interfaces like KXC
 - RS232, USB, LAN, Bluetooth and WLAN
 - KCP Protocol



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WHAT DO YOU NEED FOR A SUCCESSFUL PRODUCT INTRODUCTION?



KERN PRODUCT INTRODUCTION

	Planned / Required
Catalog	✓
Webshop	✓
New product Flyer	?
Product seminar	?
Service education	?
ATEX seminar	?
Demo-units / β -Installations	?
Anything else ?	?



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Thank you for your attention

TO FURTHER SUCCESSFUL COOPERATION

