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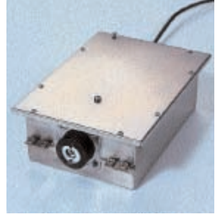
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Find the *Mettler Toledo KB60s* at our website: *Click HERE*

… wide product spectrum for every application

K Line covers the weighing range from 15 kg to 6000 kg. Different platform sizes and different construction types such as bench scales, stand scales, free-standing or pit-mounted floor scales, offer our customers the right solution for their specific application.

The measuring cells of the K Line use the principle of electromagnetic force compensation. The high-performance digital measuring cell in monobloc technology offers a high-resolution (HR) range of 15,000 respectively 32,000 calibration divisions. The measuring cell also sets new standards for linearity and readability. Combined with the torsionally rigid load frame, K Line weighing platforms have everything needed for long-term weighing precision.



TBrick measuring cell
Monobloc with built-in electronics

– precise, rugged and reliable





KA15s	KA32s	KB60/s	KCC150/s	KCC300/s
Bench scale			Stand scale	
350 x 280		500 x 400	800 x 600	
117 – 130		123 – 148	130 – 155	
3)	3)	1) 3)	1) 3)	1) 3)
3)	3)	3)	3)	3)
IP66/67				
2,5				
15	32	60	150	300
0.1 4)	0.1 4)	1 4)	1 4)	2 4)
0-3/1	0-6/1	0-15/5	0-30/10	0-60/20
3-6/2	6-12/2	15-30/10	30-60/20	60-150/50
6-15/5	12-32/5	30-60/20	60-150/50	150-300/100
0 - max.				
0.3	0.64	1.2	3	6
6	3	25	64	120
1/5	1/5	10/50	10/50	–
1/20	1/20	5/100	10/200	20/400
2/40	5/100	10/200	20/400	50/1000
50	50	120	500	500
40	40	80	300	300
30	30	40	150	150
0,05	0,1	0,4	0,5	1
0,2	0,2	1	2	5
0,2	0,2	1	2	5
0,1	0,1	0,5	1	2
5	10	20	50	100

NTEP approval: 15 - 600kg; 1) Powder-coated/enameled, 2) Hot galvanized, 3) Chrome-nickel steel, 4) Standard setting ex works

Our products in use



KB60s bench scale with ID7 terminal



KE1500sk pit scale (raisable) with ID7 terminal

Accessories



Connecting cable extension Part no.
Length 10 m, pluggable both ends, for remote placement of ID terminal 00 504 134



Connector set for ID terminal
Comprising two connection boxes for stepless extension of connection cable to 100 m. Box on terminal side has 2.5 m connecting cable. 00 504 133



Special cable from reel
For use with the connector set for stepless extension of the connection cable to the ID terminal.
Length 100 m 00 504 177



Bench stand for KB60, KCC150, KCC300
Stable frame construction, 2 feet with casters, 1 fixed foot with leveling screw, height approx. 560 mm.
B size 500 x 400 mm
– Enameled 00 503 631
– Stainless 00 503 632
CC size 800 x 600 mm
– Enameled 00 504 853
– Stainless 00 504 854



Pillar support for KB60, KCC150, KCC300
For fastening terminal ID1 Plus, ID3s, or ID7 to bench stand, including fastening material.
– Enameled 00 504 127
– Stainless 00 504 128



Scale support for KA15, KA32s, KB60
For fastening terminal ID1 Plus, ID3s, or ID7 to the weighing platform. All-stainless model. 00 504 439



Roller track
Steel-clad rollers, motion lengthwise
B size 500 x 400 mm
– Corrosion protected 00 503 640
– Stainless (not for Ex Zone 1) 22 001 647
CC size 800 x 600 mm
– Corrosion protected 00 504 852
– Stainless (not for Ex Zone 1) 22 001 648



Approach ramp
for KC300, KCS300, KC600, KCS600,
Symmetrical steel construction with hot galvanized checker-plate surface. 1000 x 800 mm, maximum safe load 1000 kg 00 503 638



Extra load plate for KC300, KC600
In stainless steel, polished. To fit over existing load plate as surface protection for more stringent hygienic requirements. 00 503 629



Load plates		Part no.
For KD:	– black enameled	00 503 617
	– hot galvanized	00 503 618
	– stainless steel	00 503 619
For KE:	– black enameled	00 503 620
	– hot galvanized	00 503 621
	– stainless steel	00 503 622
For KES:	– black enameled	00 504 504
	– hot galvanized	00 504 505
	– stainless steel	00 504 506
For KG:	– black enameled	00 503 623
	– hot galvanized	00 503 624
	– stainless steel	00 503 625
For KN:	– black enameled	00 503 667
Load plate + rear panel	– hot galvanized	00 503 668
	– stainless steel	00 503 669



Pit frames
Pit frame kit incl. fastening material

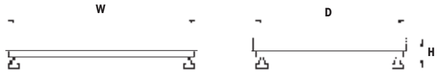
für KC300, KC600:	– hot galvanized	00 503 635
	– stainless steel	00 503 636
For KCS300, KCS600:	– hot galvanized	00 504 550
	– stainless steel	00 504 551
For KD…:	– hot galvanized	00 504 077
	– stainless steel	00 506 399
For KE…:	– hot galvanized	00 504 079
	– stainless steel	00 506 400
For KES…:	– hot galvanized	00 504 512
	– stainless steel	00 506 401
For KE…s:	– stainless steel	00 505 270
For KES…sk:	– stainless steel	22 007 261
For KG… (dry):	– hot galvanized	00 504 082



Pit frame with cleaning recess on both sides
Pit frame kit incl. fastening material

For KD…	– hot galvanized	00 504 078
For KE…	– hot galvanized	00 504 080
For KES…	– hot galvanized	00 504 513
For KG… (wet):	– hot galvanized	00 504 083

Weighing platform dimensions (mm)



Model	W	D	H
KA	350	280	117-130
KB	500	400	123-148
KCC	800	600	130-155
KCS	800	800	115-140
KC	1000	800	115-140
KD	1250	1000	180-205
KE	1500	1250	182-207
KES	1500	1500	197-222
KG	2000	1500	196-246
KN*	1500	1250	55-100

* Roll-on/roll-off area

Quality certificate.
Development, production and testing according to ISO9001. Environmental management system according to ISO14001.

European conformity.
The CE conformity mark provides you with the assurance that our products comply with the most recent EU directives.

National Type Evaluation Program (NTEP)
Approved instruments comply with United States Handbook 44 regulations.

International Organization for Legal Metrology (OIML)
Certified versions of these instruments comply with OIML R76 recommendations and European Standard EN45501.

Sales and service:

Subject to technical changes © Mettler-Toledo GmbH **MCG** 05/04 Printed in Germany 22 007 814 A

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Global solutions for highly-demanding weighing requirements



High-resolution weighing platforms from METTLER TOLEDO:

– precise
– rugged
– reliable
– approved for hazardous areas: CENELEC and FM
– concurring with GMP

METTLER TOLEDO



K Line … the high-resolution precision scales for industry



- Weighing ranges from 15 kg to 6000 kg
- Platform sizes from 350 x 280 mm to 2000 x 1500 mm
- Choice of enameled, hot galvanized, or stainless steel surface finish
- Certifiable resolution 15,000e / 32,000e
- Explosion proofness for zones 2/22 and 1/21, IS Class I, II, III; Div1; Group A-G
- Dust and water protection to IP66 and IP67
- Large selection of accessories



Easy to clean
Thanks to the raisable load plate of the K…sk models, thorough cleaning is easier than ever before.

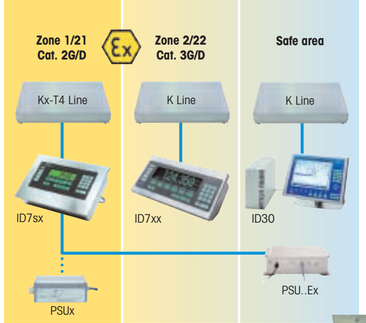
… multiple talents for multiple applications
Stringent hygiene regulations in the food- and meat-processing industry or chemical and pharmaceuticals manufacturing are met with ease by K Line weighing platforms.

Working in line with GMP?
The respective requirements are fulfilled by the weighing platforms of the K-line: They are certified according to the EG-GMP guide and the PIC-guideline 1/99.

Practically all models are available in chrome-nickel steel, guaranteeing maximum resistance to corrosion. The housing of the TBrick measuring cell has IP66 / IP67 protection against penetration by water and dust.

Zone 2/22
The measuring cell TBrick used in the K-line is approved for hazardous areas of category 3G/D. The weighing platforms together with the appropriate indicator ID7xx are the ideal solution for zone 2/22.

Zone 1/21
The heart of the product line Kx-T4 is the TBrick-Ex measuring cell approved for hazardous areas of categories 2G/D respectively FM IS; Class I,II,III; Div1; Groups A-G; T4. The appropriate, intrinsically safe indicator ID7sx connected with PSU-power supplies offer you the perfect weighing system for applications in zone 1/21.



Through having a built-in calibration weight the measuring cell can be adjusted on-site anywhere in the world. So global use and relocation are no longer a problem. And as well as high resolution (HR), the cell can be configured for multi-interval (MI) or single-range (SR) at the workplace.

… numerous terminals and accessories
A large selection of displays complements the wide product spectrum of the K Line. Many operating terminal are available for different applications areas:

Safe area: ID-terminals, Jaguar
Zone2/22: ID7xx
Zone 1/21: ID7sx
Just connect them with the weighing platform and – here we go!

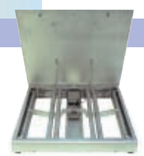
The operating terminals are impressively versatile:
– connection of up to 3 terminals*
– data interfaces available for CL, RS232, RS485, Ethernet, Profibus, …*
– optional software modules for formula weighing, dispensing, totaling, counting, … *
– peripherals such as printer, external keyboard, barcode reader, …. *

And to round it off perfectly, the K Line also includes a full range of accessories such as bench stands, scale stands, roller tracks, approach ramps, and pit frames.

* exact specifications depend on model

K Line – precise, rugged and reliable





Model	Zone 1/21 Zone 2/22	KCS300/s	KCS600/s	KC300/s	KC600/s	KD600	KD1500	KE1500/sk	KE3000/sk	KES1500/sk	KES3000/sk	KG3000/g	KG6000/g	KN1500/g
Type of construction		Floor/pit scale												
Platform size	[mm]	800 x 800		1000 x 800		1250 x 1000		1500 x 1250		1500 x 1500		2000 x 1500		1500 x 1250
Scale height (min. - max.)	[mm]	115 – 140				180 – 205		182 – 207		197 – 222		196 – 246		55 – 100
Scale finish		1) 3)	1) 3)	1) 3)	1) 3)	2)	2)	2) 3)	2) 3)	2) 3)	2) 3)	1) 2)	1) 2)	1) 2)
Load plate finish		2) 3)	2) 3)	2) 3)	2) 3)	1) 2) 3)	1) 2) 3)	1) 2) 3)	1) 2) 3)	1) 2) 3)	1) 2) 3)	1) 2) 3)	1) 2) 3)	1) 2) 3)
Protection type		IP66/67												
Connecting cable length	[m]	5												
Weighing range														
Max. load	[kg]	300	600	300	600	600	1500	1500	3000	1500	3000	3000	6000	1500
Readability (HR)	[g]	2 4)	10 4)	2 4)	10 4)	10 4)	20 4)	20 4)	50 4)	20 4)	50 4)	50	100	20
Readability (MI)	[kg/g]	0-60/20	0-150/50	0-60/20	0-150/50	0-150/50	0-300/100	0-300/100	0-600/200	0-300/100	0-600/200	0-600/200 4)	0-1500/500 4)	0-300/100 4)
		60-150/50	150-300/100	60-150/50	150-300/100	150-300/100	300-600/200	300-600/200	600-1500/500	300-600/200	600-1500/500	600-1500/500	1500-3000/1000	300-600/200
		150-300/100	300-600/200	150-300/100	300-600/200	300-600/200	600-1500/500	600-1500/500	1500-3000/1000	600-1500/500	1500-3000/1000	1500-3000/1000	3000-6000/2000	600-1500/500
Taring range (subtraktive)	[kg]	0 - max.												
Preload range 5)														
Zero setting range	[kg ±]	6	12	6	12	12	30	30	60	30	60	60	120	30
Preload range	[kg]	120	255	105	255	200	640	600	1270	600	1270	1270	2550	630
Certification data to OIML														
Class II (e/min. capacity)	[g/g]	–	100/500	–	100/500	–	–	–	–	–	–	–	–	–
Class III MI (e/min. capacity)	[g/g]	20/400	50/1000	20/400	50/1000	50/1000	100/2000	100/2000	200/4000	100/2000	200/4000	200/4000	500/10000	100/2000
Class III SR (e/min. capacity)	[g/g]	50/1000	100/2000	50/1000	100/2000	100/2000	200/4000	200/4000	500/10000	200/4000	500/10000	500/10000	1000/20000	200/4000
Max. static safe load														
Central load	[kg]	500	1000	500	1000	3500	3500	4500	4500	4500	4500	7500	7500	2500
Side load	[kg]	330	650	330	650	2300	2300	3000	3000	3000	3000	5000	5000	1650
Corner load	[kg]	165	330	165	330	1150	1150	1500	1500	1500	1500	2500	2500	830
Weighing accuracy														
Repeatability (s)	[g]	1	5	1	5	10	20	20	50	20	50	50	200	20
Linearity (typ.)	[g±]	5	10	5	10	25	50	50	100	50	100	100	300	50
Weighing error at														
inclination of 2:1000	[g±]	5	10	5	10	20	50	50	100	50	100	100	200	50
Sensitivity drift (typ.)	[g/K ±]	2	5	2	5	5	10	10	20	10	20	20	40	10
Minimum reference weight	[g]	100	500	100	500	1000	2000	2000	5000	2000	5000	5000	10000	2000
		NTEP approval: 15 - 600 kg												

1) Powder-coated/enameled, 2) Hot galvanized, 3) Chrome-nickel steel, 4) Standard setting ex works, 5) Lower weighing range allows higher preload


ID7sx terminal


ID7 terminal (shown with optional GA46 printer)



ID30 terminal

Resolution and temperature range for different accuracy classes

		Accuracy class II	Accuracy class III
Resolution	HR	15000e 32000e	
	MI		3000e 6400e
	SR		7500e
Temperature range		0 - 40°C	-10 - 40°C

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