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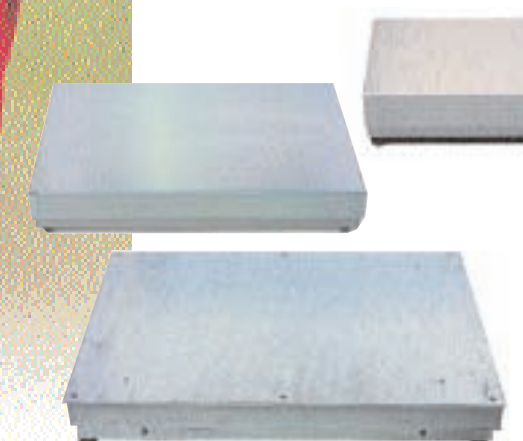
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# Global solutions for highly-demanding weighing requirements



High-resolution weighing platforms from METTLER TOLEDO:

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



**METTLER TOLEDO**

## 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

**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.

**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

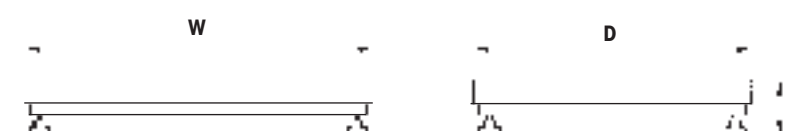
**Pit frames**  
Pit frame kit incl. fastening material  
für KC300, KC600: - hot galvanized 00 503 635  
- stainless steel 00 503 636  
For KCS300, KCS600: - hot galvanized 00 504 550  
- stainless steel 00 504 551

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

Sales and service:

## ... 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) <sup>3)</sup>	3)	1) 3)	1) 3)	1) 3)
3)	3)	3)	3)	3)
IP66/67				
2,5				
15	32	60	150	300
0.1 <sup>4)</sup>	0.1 <sup>4)</sup>	1 <sup>4)</sup>	1 <sup>4)</sup>	2 <sup>4)</sup>
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: 1) 15 - 600kg; 2) Powder-coated/enameled, 3) Hot galvanized, 4) Standard setting ex works

## Our products in use

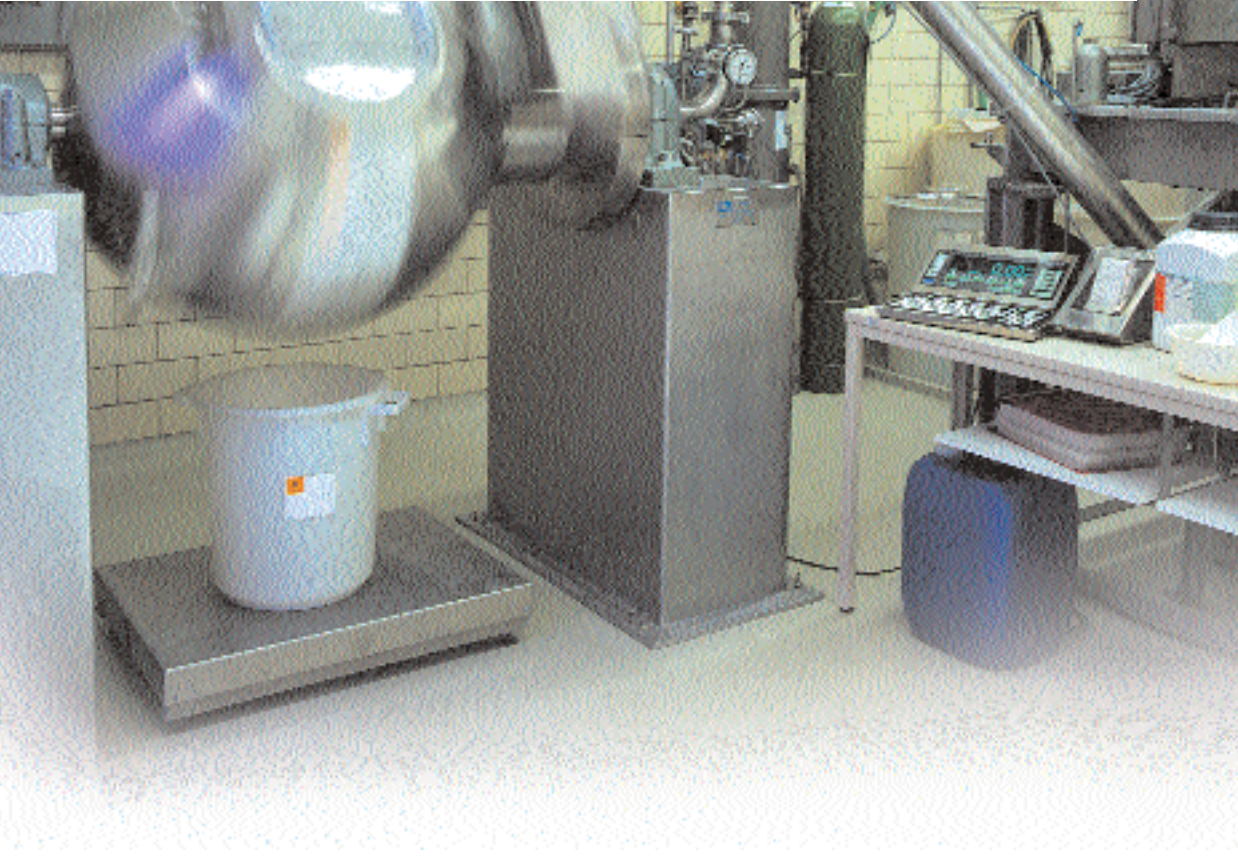


KB60s bench scale with ID7 terminal



KE1500sk pit scale (raisable) with ID7 terminal

# 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.

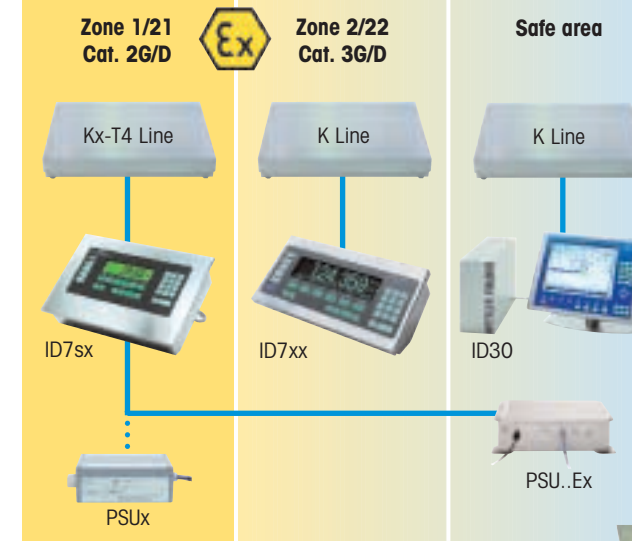
Practically all models are available in chrome-nickel steel, guaranteeing maximum resistance to corrosion. The housing of the TBrick measuring cell has IP66 / IP67 protection against penetration by water and dust.

### 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, to-taling, 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.

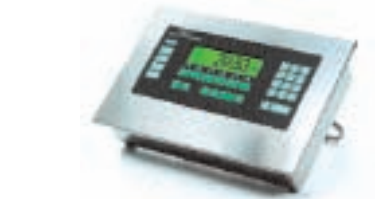
\* exact specifications depend on model

## 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													
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													
<b>Weighing range</b>															
Max. load	[kg]	300	600	300	600	600	1500	1500	3000	1500	3000	3000	6000	1500	
Readability (HR)	[g]	2 <sup>4)</sup>	10 <sup>4)</sup>	2 <sup>4)</sup>	10 <sup>4)</sup>	10 <sup>4)</sup>	20 <sup>4)</sup>	20 <sup>4)</sup>	50 <sup>4)</sup>	20 <sup>4)</sup>	50 <sup>4)</sup>	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 <sup>4)</sup>	0-1500/500 <sup>4)</sup>	0-300/100 <sup>4)</sup>	
		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.													
<b>Preload range<sup>5)</sup></b>															
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	
<b>Certification data to OIML</b>															
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	
<b>Max. static safe load</b>															
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	
<b>Weighing accuracy</b>															
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	III
Resolution	HR	15000e 32000e
	MI	3000e 6400e
	SR	7500e
Temperature range	0 - 40°C	-10 - 40°C



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