

# 1 Technical Data

## Models FKT:

KERN	FKT 6K0.02	FKT 6K0.05	FKT 6K0.1	FKT 12K0.05
Readability (d)	0.02 g	0.05 g	0.1 g	0.05 g
Weighing range (max)	6 000 g	6 000 g	6 000 g	12 000 g
Taring range (subtractive)	6 000 g	6 000 g	6 000 g	12 000 g
Reproducibility	0.04 g	0.05 g	0.2 g	0.05 g
Linearity	±0.1 g	±0.15 g	±0.2 g	±0.15 g
Smallest piece weight	0.02 g	0.05 g	0.1 g	0.05 g
Adjustment points	2/5/6 kg	2/5/6 kg	2/5/6 kg	2/5/10/12 kg
Recommended adjusting weight F1 (not supplied)	5 kg	5 kg	5 kg	10 kg
Humidity of air	max. 80% rel. (non-condensing)			
Stabilization time (typical)	3 sec.			
Allowable ambient temperature	+10 °C ... + 40 °C			
Warm-up time	4 h	2 h	2 h	2 h
Housing (B x D x H) mm	270 x 345 x 106			
Vibration filter	yes			
Weighing plate stainless steel mm	253 x 228			
Units	see menu			
Weight kg (net)	3.3			
Data interface	yes (RS232)			
Master data storage for all operating modes	80			
Print forms with up to 20 informations	16			
Recipes with up to 10 components	99			

<b>KERN</b>	<b>FKT 12K0.1</b>	<b>FKT 12K0.2</b>	<b>FKT 24K0.1</b>	<b>FKT 24K0.2</b>
Readability (d)	0.1 g	0.2 g	0.1 g	0.2 g
Weighing range (max)	12 000 g	12 000 g	24 000 g	24 000 g
Taring range (subtractive)	12 000 g	12 000 g	24 000 g	24 000 g
Reproducibility	0.1 g	0,2 g	0.1 g	0.2 g
Linearity	±0.3 g	±0.4 g	±0.3 g	±0.6 g
Smallest piece weight	0.1 g	0.2 g	0.1 g	0.2 g
Adjustment points	2/5/10/12 kg	2/5/10/12 kg	5/10/15/20/24 kg	5/10/15/20/24 kg
Recommended adjusting weight F1 (not supplied)	10 kg	10 kg	20 kg	20 kg
Humidity of air	max. 80% rel. (non-condensing)			
Stabilization time (typical)	3 sec.			
Allowable ambient temperature	+10 °C ... + 40 °C			
Warm-up time	4 h	2 h	2 h	2 h
Housing (B x D x H) mm	270 x 345 x 106			
Vibration filter	yes			
Weighing plate stainless steel mm	253 x 228			
Units	see menu			
Weight kg (net)	3.3			
Data interface	yes (RS232)			
Master data storage for all operating modes	80			
Print forms with up to 20 informations	16			
Recipes with up to 10 components	99			

<b>KERN</b>	<b>FKT 6K0.02L</b>	<b>FKT 16K0.05L</b>	<b>FKT 16K0.1L</b>	<b>FKT 30K0.5L</b>	<b>FKT 36K0.1L</b>
Readability (d)	0.02 g	0.05 g	0.1 g	0,5 g	0.1 g
Weighing range (max)	6 000 g	16 000 g	16 000 g	30.000 g	36 000 g
Taring range (subtractive)	6 000 g	16 000 g	16 000 g	30.000 g	36 000 g
Reproducibility	0.04 g	0.1 g	0.1 g	0,5 g	0.2 g
Linearity	±0.1 g	±0.25 g	±0.3 g	±1,0 g	±0.5 g
Smallest piece weight	0.02 g	0.05 g	0.1 g	0,5 g	0.1 g
Adjustment points	2/4/5/6 kg	5/10/15/16 kg	5/10/15/16 kg	10/20/30 kg	10/20/30/36 kg
Recommended adjusting weight F1 (not supplied)	5 kg	10 kg + 5 kg	10 kg + 5 kg	20 kg+10 kg	20 kg + 10 kg
Humidity of air	max. 80% rel. (non-condensing)				
Stabilization time (typical)	3 sec.				
Permitted environmental temperature	+10 °C ... + 40 °C				
Warm-up time	4 h	4 h	2 h	2 h	4 h
Housing (B x D x H) mm	350 x 390 x 120				
Vibration filter	yes				
Weighing plate stainless steel mm	340 x 240				
Units	see menu				
Weight kg (net)	6.5				
Data interface	yes (RS232)				
Master data storage for all operating modes	80				
Print forms with up to 20 informations	16				
Recipes with up to 10 components	99				
Battery operation with 6 x 1,5 V, Size C	yes				

<b>KERN</b>	<b>FKT 36K0.2L</b>	<b>FKT 60K1L</b>	<b>FKT 65K0.2L</b>	<b>FKT 65K0.5L</b>
Readability (d)	0.2 g	1 g	0.2 g	0.5 g
Weighing range (max)	36 000 g	60 000 g	65 000 g	65 000 g
Taring range (subtractive)	36 000 g	60 000 g	65 000 g	65 000 g
Reproducibility	0.2 g	1 g	0.4 g	0.5 g
Linearity	±0.6 g	±2 g	± 1.0 g	± 1.5 g
Smallest piece weight	0.2 g	1 g	0.2 g	0.5 g
Adjustment points	10/20/30/36 kg	20/50/60 kg	20/30/50/60 kg	20/30/50/60 kg
Recommended adjusting weight F1 (not supplied)	20 kg + 10 kg	50 kg	50 kg	50 kg
Humidity of air	max. 80% rel. (non-condensing)			
Stabilization time (typical)	3 sec.			
Allowable ambient temperature	+10 °C ... + 40 °C			
Warm-up time	2 h	2 h	4 h	2 h
Housing (B x D x H) mm	350 x 390 x 120			
Vibration filter	yes			
Weighing plate stainless steel mm	340 x 240			
Units	see menu			
Weight kg (net)	6,5			
Data interface	yes (RS232)			
Master data storage for all operating modes	80			
Print forms with up to 20 informations	16			
Recipes with up to 10 components	99			
Battery operation with 6 x 1,5 V, Size C	yes			

<b>KERN</b>	<b>FKT 6K1LM</b>	<b>FKT 12K2LM</b>	<b>FKT 30K5LM</b>	<b>FKT 60K10LM</b>
Accuracy class	III	III	III	III
Readability (d)	1 g	2 g	5 g	10 g
Verification value (e)	1 g	2 g	5 g	10 g
Weighing range (max)	6 000 g	12 000 g	30 000 g	60 000 g
Minimum load (Min)	20 g	40 g	100 g	200 g
Taring range (subtractive)	6 000 g	12 000 g	30 000 g	60 000 g
Reproducibility	0.5 g	1 g	2.5 g	5 g
Linearity	±0.5 g	±1 g	± 2.5 g	± 5 g
Smallest piece weight	1 g	2 g	5 g	10 g
Adjustment points	2/5/6 kg	2/5/10/12 kg	10/20/30 kg	20/50/60 kg
Recommended adjusting weight M1 (not supplied)	5 kg	10 kg	20 + 10 kg	50 kg
Humidity of air	max. 80% rel. (non-condensing)			
Stabilization time (typical)	3 sec.			
Allowable ambient temperature	+10 °C ... + 40 °C			
Warm-up time	2 h	2 h	2 h	2 h
Housing (B x D x H) mm	270 x 345 x 106		350 x 390 x 120	
Vibration filter	yes			
Weighing plate stainless steel mm	253 x 228		340 x 240	
Units	see menu			
Weight kg (net)	3.3		6.5	
Data interface	yes (RS232)			
Master data storage for all operating modes	40			
Print forms with up to 20 informations	1			
Recipes with up to 7 components	5			
Battery operation with 6 x 1,5 V, Size C	yes			