

2.4 KERN DS

| KERN | DS 3K0.01S | DS 5K0.05S | DS 8K0.05 | DS 10K0.1S |
|--|--------------------------------|-----------------------|----------------------|-----------------------|
| Readability (d) | 0.01 g | 0.05 g | 0.05 g | 0,1 g |
| Weighing range (max) | 3 000 g | 5 000 g | 8 000 g | 10.000 g |
| Taring range (subtractive) | 3 000 g | 5 000 g | 8 000 g | 10.000 g |
| Reproducibility | 0.02 g | 0.05 g | 0.05 g | 0.1 g |
| Linearity | ± 0.05 g | ± 0.15 g | ± 0.15 g | ±0.3 g |
| Smallest piece weight | 0.01 g | 0.05 g | 0.05 g | 0.1 g |
| | | | | |
| Adjustment points | 1/2/3 kg | 2/5/10 kg | 2/4/5/7/8 kg | 2/5/10 kg |
| Recommended adjusting weight F1 (not supplied) | 3 kg | 10 kg | 5 kg + 2 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 | 2 hours | 2 hours | 2 hours | 2 hours |
| Housing (B x D x H) mm | 228 x 228 x 70 | 228 x 228 x 70 | 315 x 305 x 70 | 228 x 228 x 70 |
| Vibration filter | | | | |
| Weighing plate stainless steel mm | 228 x 228 | 228 x 228 | 315 x 305 | 228 x 228 |
| Units | see menu | see menu | see menu | see menu |
| Weight kg (net) | 5.5 | 5.5 | 7.5 | 5.5 |
| Data interface | yes (RS232) | | | |
| Rechargeable battery pack KB-A01N | 7,2 V / 2000 mAh | | | |

| KERN | DS 16K0.1 | DS 20K0.1 | DS 30K0.1 |
|--|--------------------------------|----------------------|----------------------|
| Readability (d) | 0.1 g | 0.1 g | 0.1 g |
| Weighing range (max) | 16 000 g | 20 000 g | 30 000 g |
| Taring range (subtractive) | 16 000 g | 20 000 g | 30 000 g |
| Reproducibility | 0.1 g | 0.1 g | 0.2 g |
| Linearity | ± 0.3 g | ± 0.3 g | ± 0.5 g |
| Smallest piece weight | 0.1 g | 0.1 g | 0.1 g |
| | | | |
| Adjustment points | 5/10/15/16 kg | 5/10/15/20 kg | 10/15/20/30 kg |
| Recommended adjusting weight F1 (not supplied) | 10 kg + 5 kg | 20kg | 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 | 2 hours | 2 hours | 2 hours |
| Housing (B x D x H) mm | 315 x 305 x 70 | | |
| Vibration filter | yes | | |
| Weighing plate stainless steel mm | 315 x 305 | 315 x 305 | 315 x 305 |
| Units | see menu | see menu | see menu |
| Weight kg (net) | 7.5 | 7.5 | 7.5 |
| Data interface | yes (RS232) | | |
| Rechargeable battery pack KB-A01N | 7,2 V / 2000 mAh | | |

| KERN | DS 36K0.2 | DS 30K0.1L | DS 36K0.2L | DS 60K0,2 |
|--|--------------------------------|-----------------------|-----------------------|----------------------|
| Readability (d) | 0.2 g | 0.1 g | 0.2 g | 0.2 g |
| Weighing range (max) | 36 000 g | 30 000 g | 36 000 g | 60 000 g |
| Taring range (subtractive) | 36 000 g | 30 000 g | 36 000 g | 60 000 g |
| Reproducibility | 0.2 g | 0.2 g | 0.2 g | 0.4 g |
| Linearity | ± 0.6 g | ± 0.5 g | ± 0.6 g | ± 1.0 g |
| Smallest piece weight | 0.2 g | 0.1 g | 0.2 g | 0.2 g |
| | | | | |
| Adjustment points | 10/15/20/ 30/36 kg | 10/15/20/ 30 kg | 10/15/20/ 30/36 kg | 20/30/50/60 kg |
| Recommended adjusting weight F1 (not supplied) | 20 kg + 10 kg | 20 kg + 10 kg | 20 kg + 10 kg | 50 kg |
| Humidity of air | max. 80% rel. (non-condensing) | | | |
| Stabilization time (typical) | 3 sec. | | | |
| Permitted environmental temperature | +10 °C ... + 40 °C | | | |
| Warm-up time | 2 hours | 2 hours | 2 hours | 2 hours |
| Housing (B x D x H) mm | 315 x 305 x 70 | 450 x 350 x 115 | | |
| Vibration filter | yes | | | |
| Weighing plate stainless steel mm | 315 x 305 | 450 x 350 | | |
| Units | see menu | see menu | see menu | see menu |
| Weight kg (net) | 7.5 | 9.5 | 9.5 | 9.5 |
| Data interface | yes (RS232) | | | |
| Rechargeable battery pack KB-A01N | 7,2 V / 2000 mAh | | | |

| KERN | DS 65K0.5 | DS 100K0.5 | DS 150K1 |
|--|--------------------------------|-----------------------|------------------------|
| Readability (d) | 0.5 g | 0.5 g | 1 g |
| Weighing range (max) | 65 000 g | 100 000 g | 150 000 g |
| Taring range (subtractive) | 65 000 g | 100 000 g | 150 000 g |
| Reproducibility | 0.0 g | 0.5 g | 1 g |
| Linearity | ± 1.5 g | ± 1.5 g | ± 3 g |
| Smallest piece weight | 0.5 g | 0.5 g | 1 g |
| | | | |
| Adjustment points | 20/30/50/60 kg | 20/50/100 kg | 50/100/150 kg |
| Recommended adjusting weight F1 (not supplied) | 50 kg | 50 kg + 50 kg | 3 x 50 kg 3 x 50 kg |
| Humidity of air | max. 80% rel. (non-condensing) | | |
| Stabilization time (typical) | 3 sec. | | |
| Permitted environmental temperature | +10 °C ... + 40 °C | | |
| Warm-up time | 2 hours | 2 hours | 2 hours |
| Housing (B x D x H) mm | 450 x 350 x 115 | | |
| Vibration filter | yes | | |
| Weighing plate stainless steel mm | 450 x 350 | | |
| Units | see menu | see menu | see menu |
| Weight kg (net) | 9.5 | | |
| Data interface | yes (RS232) | | |
| Rechargeable battery pack KB-A01N | 7,2 V / 2000 mAh | | |

| KERN | DS 65K1M |
|--|--------------------------------|
| Accuracy class | II |
| Readability (d) | 1 g |
| Verification value (e) | 10 g |
| Weighing range (max) | 65 000 g |
| Minimum load (Min) | 50 g |
| Taring range (subtractive) | 65 000 g |
| Reproducibility | 1 g |
| Linearity | ± 2 g |
| Smallest piece weight | 1 g |
| | |
| Adjustment points | 20/30/50/60 kg |
| Recommended adjusting weight F1 (not supplied) | 50 kg |
| Humidity of air | max. 80% rel. (non-condensing) |
| Stabilization time (typical) | 3 sec. |
| Permitted environmental temperature | +10 °C ... + 30 °C |
| Warm-up time | 2 hours |
| Housing (B x D x H) mm | 450 x 350 x 115 |
| Vibration filter | |
| Weighing plate stainless steel mm | 450 x 350 |
| Units | see menu |
| Weight kg (net) | 9.5 |
| Data interface | yes (RS232) |
| Rechargeable battery pack KB-A01N | 7,2 V / 2000 mAh |