













**Included Accessories**

- None

**Optional Accessories**

- |   |               |           |
|---|---------------|-----------|
| • Connection cable, 5 m                         | Type/Art. No. | KSM007203 |
| • Connection cable, 5 m, 12 pin – open ends     |               | KSM012497 |
| • Connection cable, 5 m, 7 pin – open ends      |               | KSM021971 |
| • Connection cable, 2.5 m,<br>12 pin – UMV 3000 |               | KSM018642 |
| • Female connector 7 pin (plug C)               |               | KSM000517 |
| • Female connector 8 pin (plug D)               |               | KSM013136 |
| • UMV 3000 Supply and evaluation<br>instrument  |               | 4700A...  |
| • Adapter flanges (on request)                  |               |           |
| • Couplings (on request)                        |               |           |
| • Sensor Tool ST 2006                           | 4706A...      |           |

Our torque calibration service lab DKD-K-37701 offers traceable recalibration of any brands.

For further information of cable and connector see data sheet KSM\_000-615.

**Order example without options:** Type 4504A1KB10000N1

Torque sensor: rated torque **737.6** lbf-ft,  
Analog output 0±10 V  
Speed measurement with 1x60 pulses

**Order example with options:** Type 4504A1KB20D10N2

Torque sensor: rated torque **737.6** lbf-ft, **B2**: Frequency output 100±40 kHz, **0**: Without increased output, **00**: Without interface, **N2**: Speed measurement with 2x720 pulses (100 ± 40 kHz)

**Ordering Key**

**Measuring Ranges in lbf-ft\***

36.9	<b>50</b>
73.8	<b>100</b>
147.5	<b>200</b>
368.8	<b>500</b>
737.6	<b>1K</b>
1,475.2	<b>2K</b>
2,212.8	<b>3K</b>
3,688	<b>5K</b>

**Output Signal\***

Analog output 0±10 V	<b>B1</b>
Frequency output 100 ± 40 kHz	<b>B2</b>
Frequency output 60 ± 20 kHz	<b>B3</b>
Frequency output 10 ± 5 kHz	<b>B4</b>

**Increased Accuracy**

Without	<b>0</b>
Increased accuracy	<b>C</b>

**Interface**

Without	<b>00</b>
RS-232C calibration	<b>D1</b>

**Connector**

Without	<b>0</b>
Connector C + D	<b>P</b>

**Speed\***

Speed measurement with 60 pulses	<b>N1</b>
Speed measurement with 2x720 pulses	<b>N2</b>
Speed measurement with 2x1 024 pulses	<b>N3</b>

\* One option has to be defined.

Type 4504A

