

NEW



MONITEX BT

Torque measuring ROTEX hub

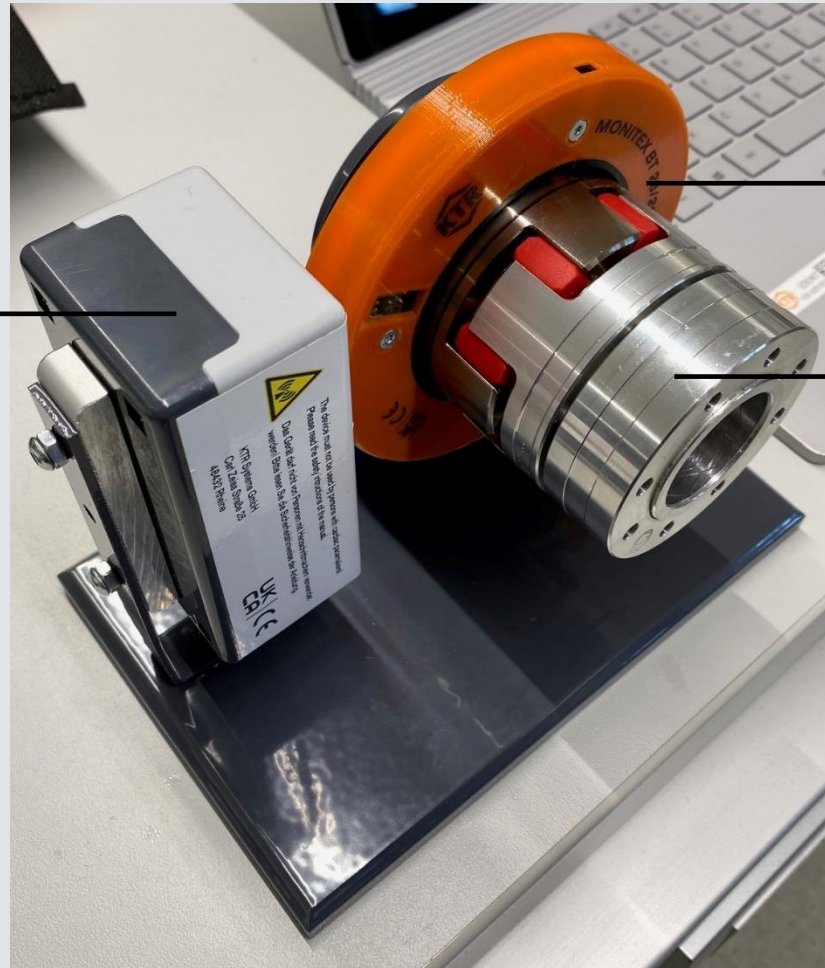
MONITEX BT

<https://www.youtube.com/watch?v=gGaYIbVosdA>



MONITEX BT

Inductive head



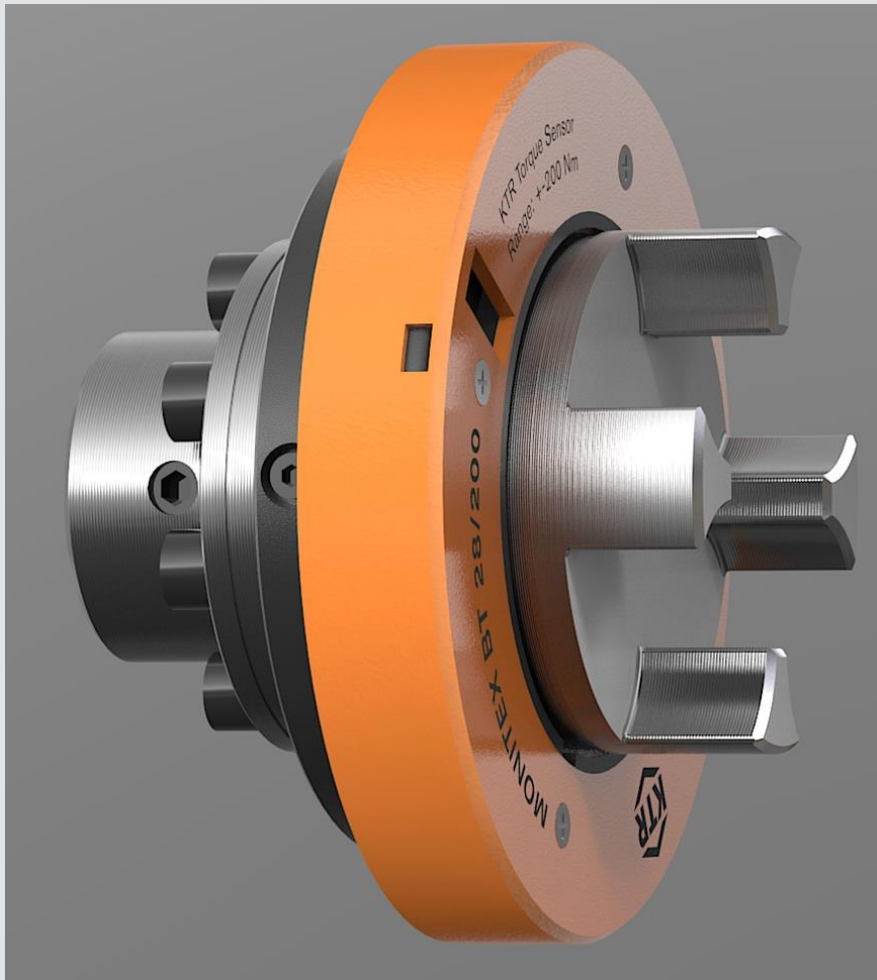
MONITEX BT 28
torque sensor

ROTEX GS 28

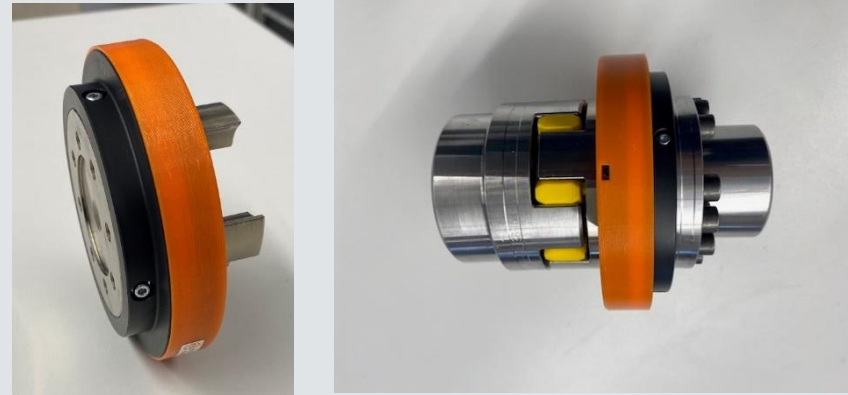
MONITEX BT sample comes pre-installed

MONITEX BT

MONITEX BT = ROTEX + Torque- and Speed measurement



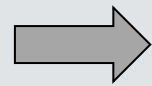
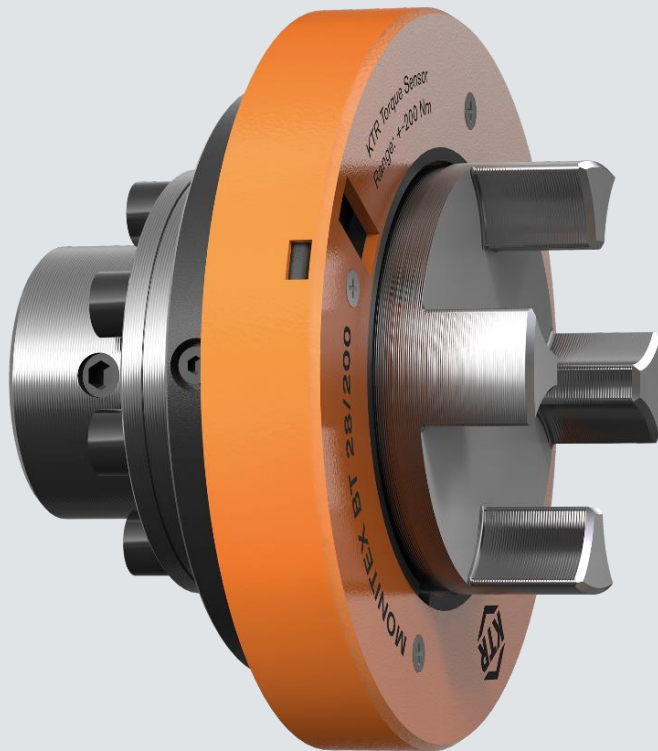
MONITEX BT 28



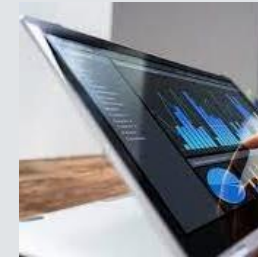
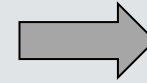
- **Torque Measurement inside the coupling hub**
- **Suitable for ROTEX and ROTEX -GS**
- **Adaption via K-Flange**
- **2 sizes: 28 (200Nm) and 42 (800Nm)**
- **Direct display on the coupling**

MONITEX BT

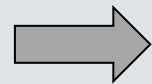
Simple integration – free data



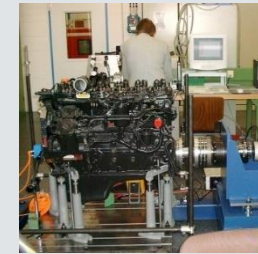
Smartphone (free Apps)



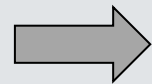
Machine Monitoring



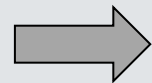
PC (free Software)



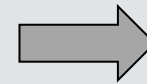
Quality assurance



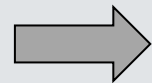
Display for direct view



Analog output for steering



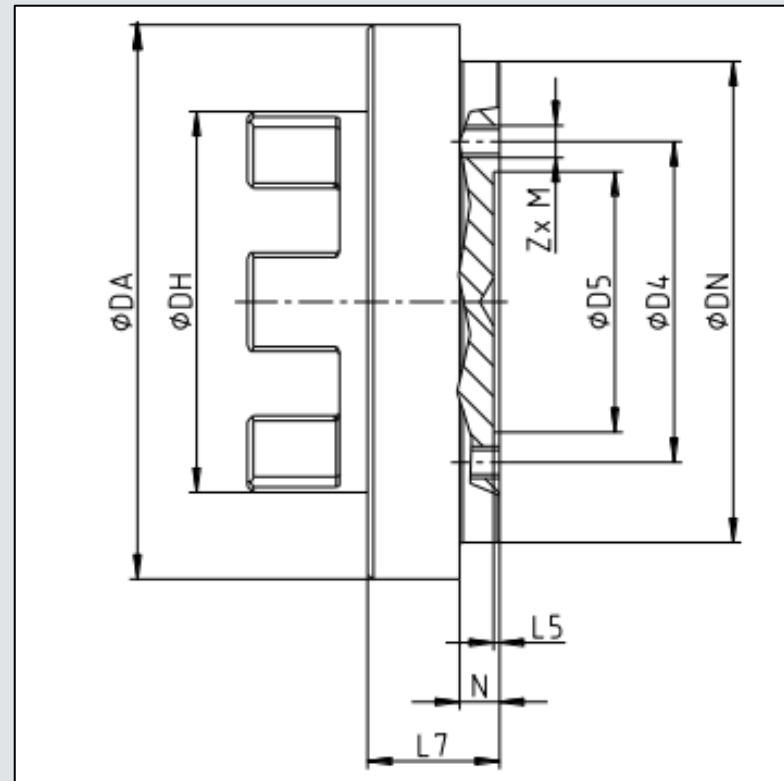
Process automation



Edge Device for Internet

MONITEX BT

MONITEX BT measuring coupling



Dimensions [mm]

MONITEX® BT type	DA	DH	DN	D4	D5	L5	L7	N	Z x M
28/200	112.4	65	90	54	44	1.5	28	10	8 x M6
42/800	138.4	95	120	80	65	1.5	33	10	12 x M8

Technical Data

General properties

MONITEX BT® type	Coupling type	Supply voltage in V ²⁾	Current consumption in mA ²⁾	Operating temperature range in °C
28/200	ROTEX® GS 28	24 ±4	<200	0 ... 55
42/800	ROTEX® GS 42			

Technical data of torque signal

Technical data of speed signal

Technical data of display

MONITEX BT® type	Measuring range T _{KN} in Nm	精度 Inaccuracy in % von T _{KN}	Measuring frequency of app/Windows software in Hz	Influence of temperature ¹⁾ in %/10 °C	Measuring range T _{KN} in 1/min	Resolution in rpm	Measuring frequency of app/Windows software in Hz	Number of digits of torque	Number of digits of speed	Turn-on threshold in rpm
28/200	-200 ... +200	±0.2	60 / 500	0.05	30-3500	1	5/3	3+1 decimals + ± sign	4	300
42/800	-800 ... +800									

扭力

轉速

Mechanical data of the coupling hub

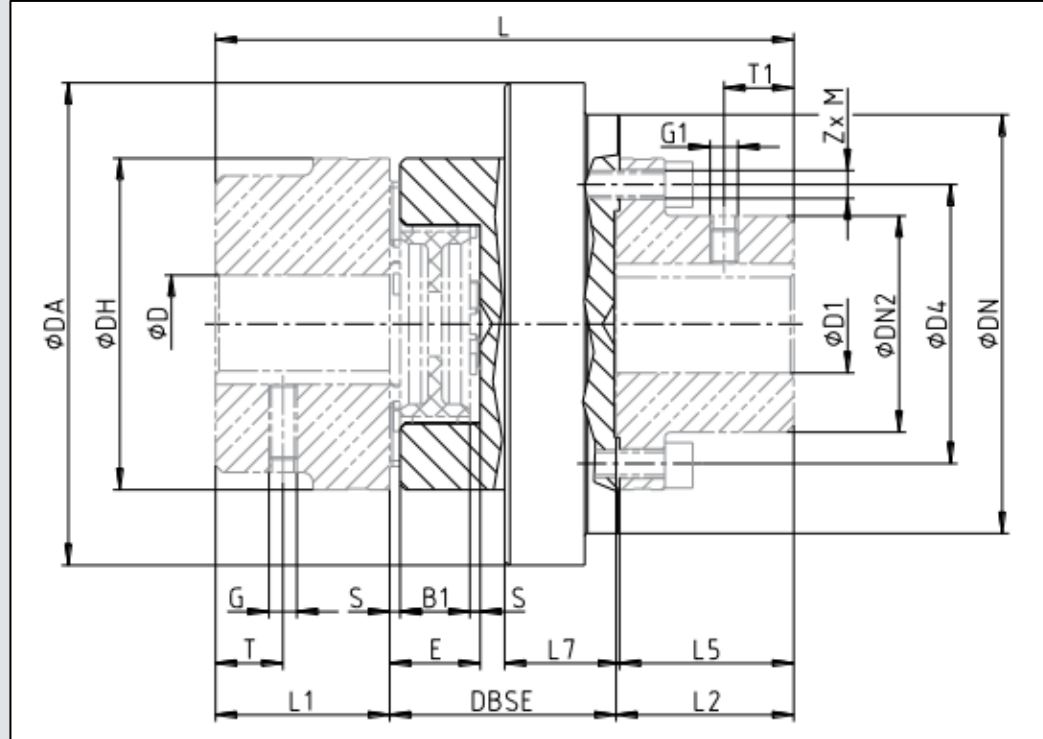
MONITEX BT® type	Static load limit ¹⁾ T _K max in %	Breaking load T _K Bruch ¹⁾ in %	Max. bending torque in Nm	Max. radial force in N	Max. axial force in kN	Weight in kg	Torsion spring stiffness C _T in Nm/rad	Torsion angle with T _{KN} in degrees	Mass moment of inertia in kgmm ²	Max. speed in rpm
28/200	150	300	22	250	8	0.84	46000	0.25	765	3500
42/800			86	700	20	1.72	194000	0.24	2690	

¹⁾ Referring to rated torque T_{KN}

²⁾ MONITEX® BT inductive head

MONITEX BT

MONITEX® BT measuring coupling in combination with a coupling flange



Dimensions in mm

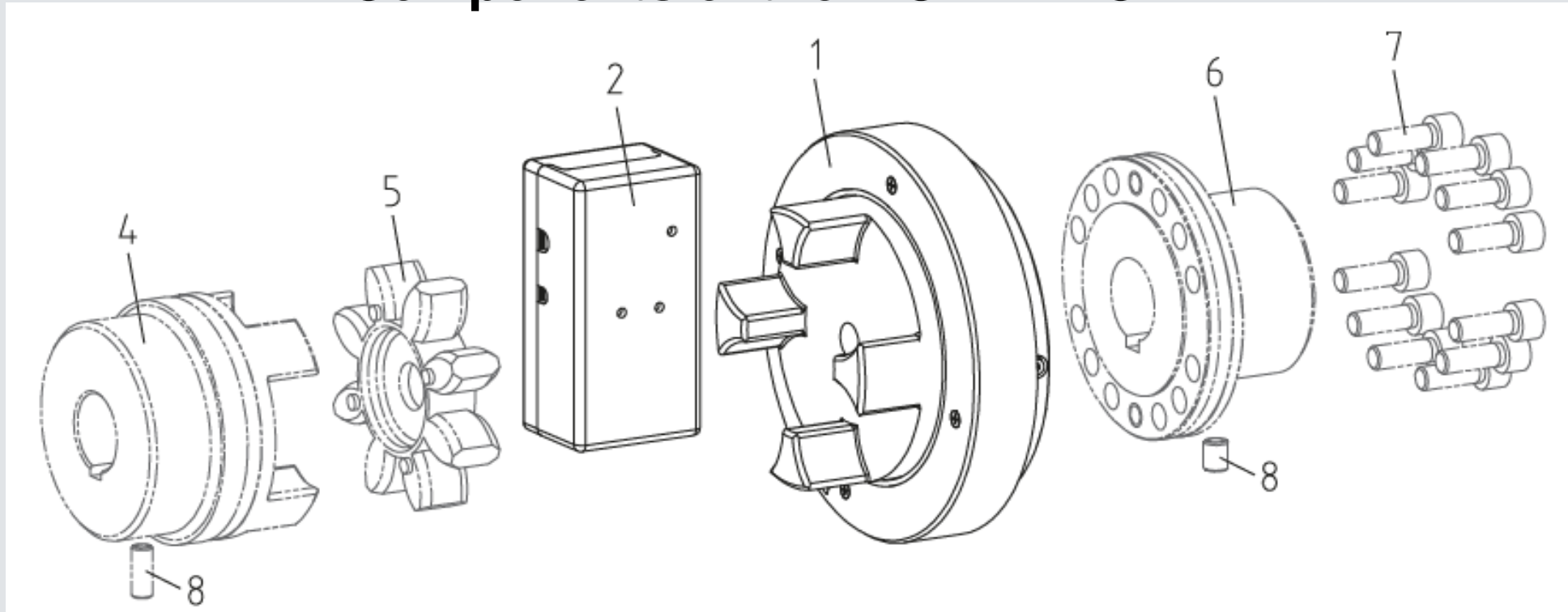
MONITEX® BT type	ROTEX® GS size	Max. finish bore		DA	DH	DBSE	DN	DN2	D4
		D	D						
28/200	28	35	30	112.4	65	54.5	90	42	54
42/800	42	55	45	138.4	95	65.0	120	62	80

Dimensions in mm

MONITEX® BT type	L	L1	L2	L5	L7	E	B1	S	Cap screws DIN EN ISO 4762		
									Number Z	M	T _A in Nm
28/200	125	35	35.5	35	28	20	15	2.5	8	M6	17
42/800	166	50	51.0	50	33	24	18	3.0	12	M8	41

MONITEX BT

Components of the MONITEX® BT



Component	Quantity	Subassembly
1	1	MONITEX® BT measuring hub 傳感器 電感式電源供應器
2	1	MONITEX® BT inductive head (inductive current transmission)
3 ¹⁾	1	MONITEX® BT connection cable 電線
4 ²⁾	1	ROTEX® GS coupling hub 聯軸器軸套
5 ²⁾	1	ROTEX® GS spider 彈性體
6 ²⁾	1	ROTEX® GS flange hub 法蘭軸套
7 ²⁾	see table 3	Cap screws DIN EN ISO 4762 - 12.9 內六角螺絲
8 ²⁾	2	Setscrew DIN EN ISO 4029 止付螺絲

MONITEX BT

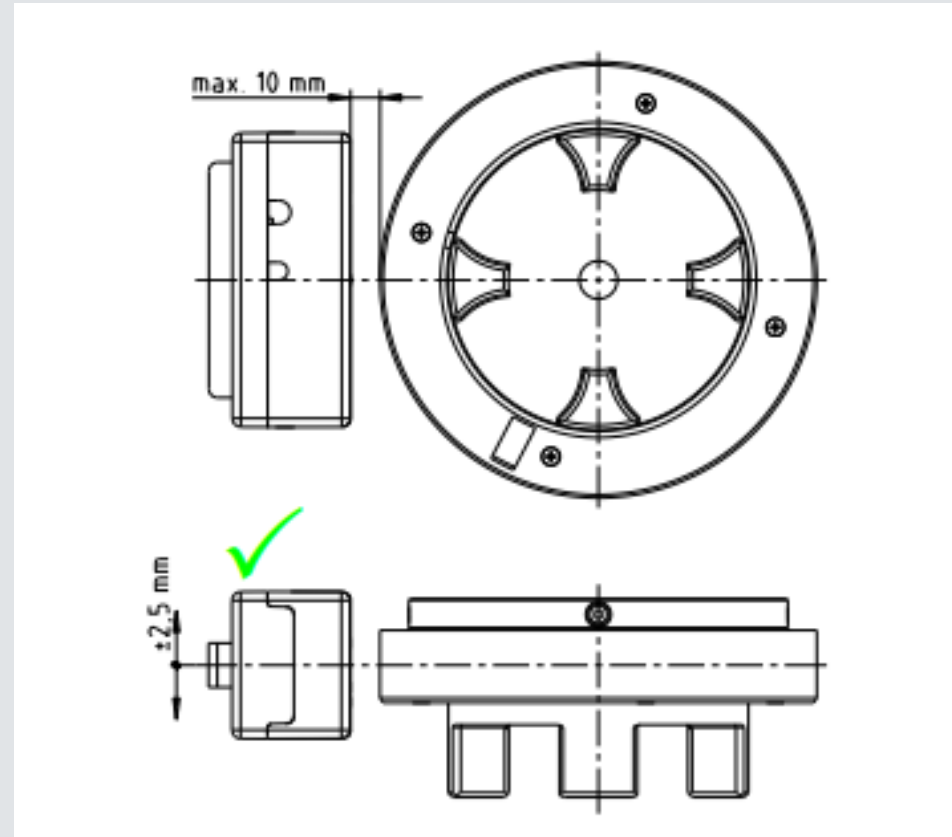
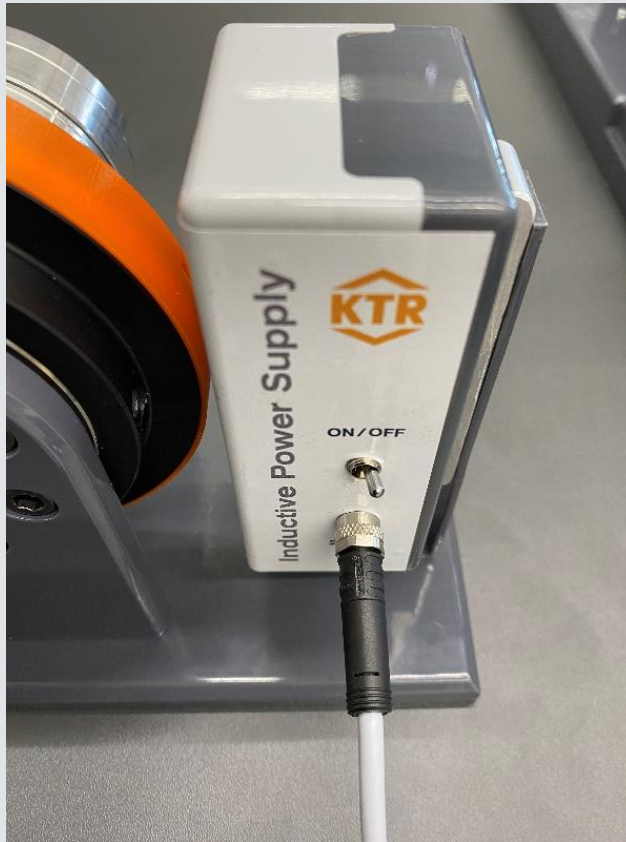
Made for Motion



MONITEX BT Set
1 x MONITEX BT 28/200 or 42/800
1 x MONITEX Inductive head, 1 cable
1 x K - Flange



Inductive head



- **Permanent contactless energy supply**
- **The maximum distance is 10 mm**

MONITEX BT



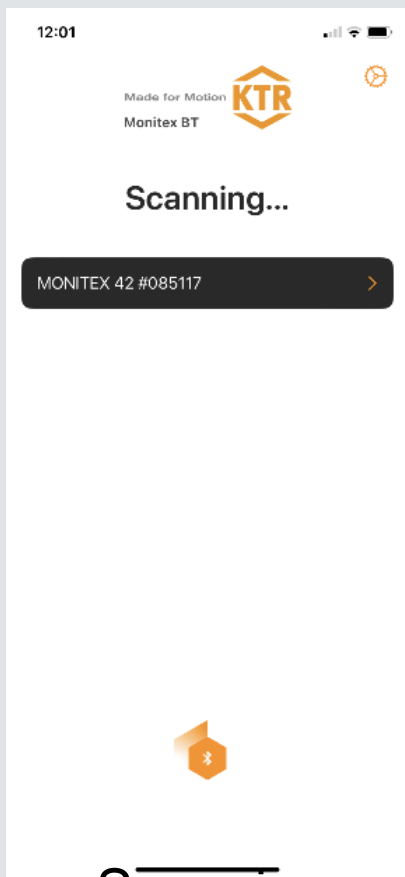
- a) Insert MONITEX BT,**
- b) place power head,**
- c) Open App**
- d) Ready!**

MONITEX BT

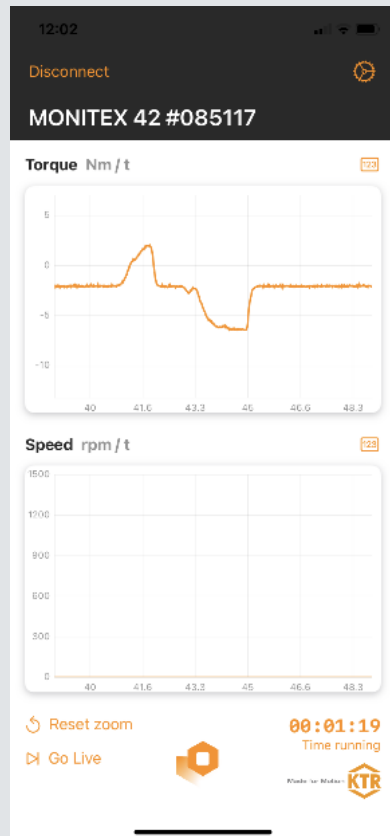


- **Direct connection to your smartphone or Laptop**
- **Free KTR Apps and free Windows Software**
- **Recording data and output alarm signals**

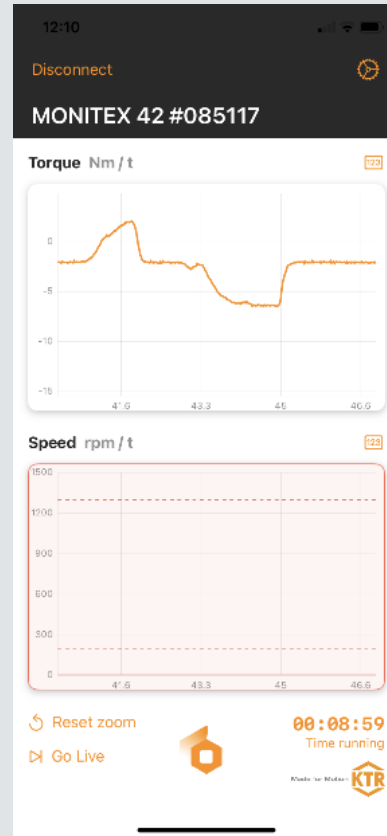
Free KTR App for iOS and Android



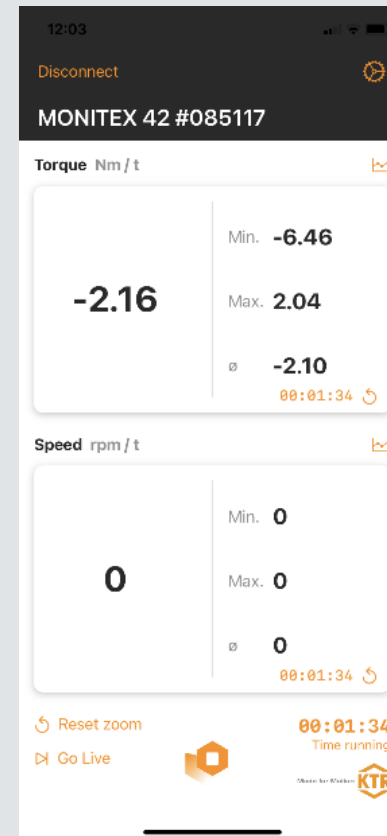
Scanning



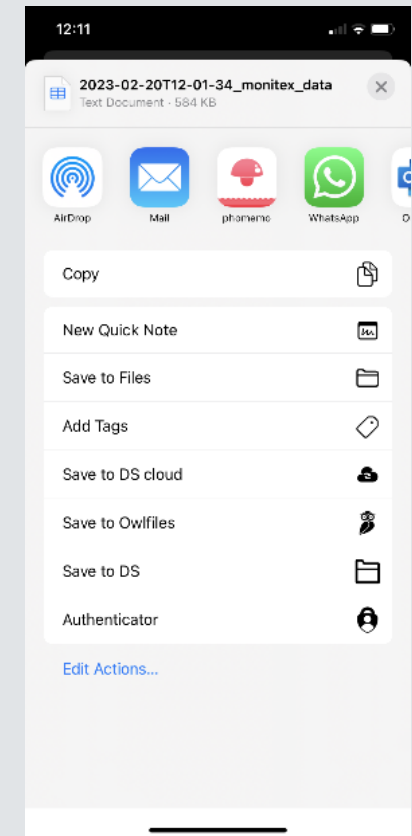
Measuring



Warning



Calculating



Saving

MONITEX BT

Free Windows Software for PC and Laptop





Wenn Sie viel bewegen wollen ...

Made for Motion 