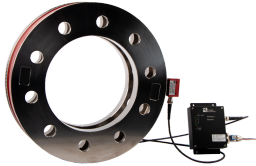


## Solutions for all sizes



XtreMA HP  
(0.05...10 kN·m)



XtreMAX  
(10...1000 kN·m)



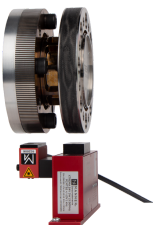
Customized  
Solutions



Hightspeed Flange  
65.000 rpm



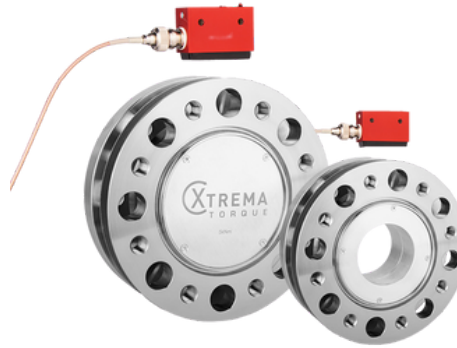
MW\_S  
(1...500 N·m)



Two  
range

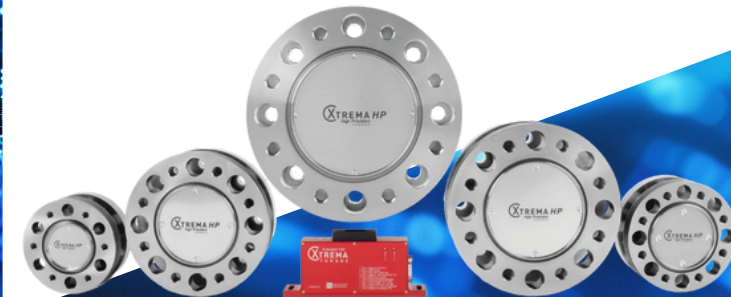


Option: Change e.g. via app or simultaneous  
- 2 Channel solution



**XTREMA HP**  
High Precision  
TORQUE

50 N·m to 10 kN·m



MANNER advanced design for higher  
precision and overload resistance

- ☑ Rated speeds up to 32.000 min<sup>-1</sup>
- ☑ Accuracy class 0.05 (up to 0.02 optional)
- ☑ Short design
- ☑ Customized mechanical interface
- ☑ DAkkS calibrations available
- ☑ Wide temperature range: -40°C up to 160°C
- ☑ Up to 16 kHz (-3dB) bandwidth

What we do better as others

Flexible and Proven!

Go Dual, go Digital!

### Our Design

- 400% limit torque of the nominal torque with no harm to the flange
- 800% breaking torque of the nominal torque
- High bending tolerance

### Options for Highest Accuracy

- Zero drift compensation -40°C to 160°C
- E-Modul compensation -40°C to 160°C
- Speed compensation
- Compensation of parasitic forces

### Made for harsh environment

- Oil mist, grease
- Water IP67; Saltwater
- ATEX

- The inductive technology allows flexible stator configurations depending on your needs:
  - Radial/Nominal distance is 10 mm (up to 20 mm optional)
  - Axial tolerance between pickup and flange is  $\pm 2$  mm (up to  $\pm 20$  mm optional)
- High rotor to stator distance prevents collisions, vibrations and damage through inaccurate installation
- MANNERS proven technology ensures high transmission quality, even with inaccurate installation
- Fully digitalized measurement (no interference on the communication path)

- The stator unit is freely configurable with the classic analogue signal output (voltage, current, frequency)
- The following digital outputs are available via EtherCAT, CAN, Ethernet, WLAN
- Interface for health monitoring
- Integrated Pick-Up version is available as well as a set apart solution for cabinet mounted evaluation units



Antenna embedded in the evaluation unit



Stand-alone antenna detached from evaluation unit

