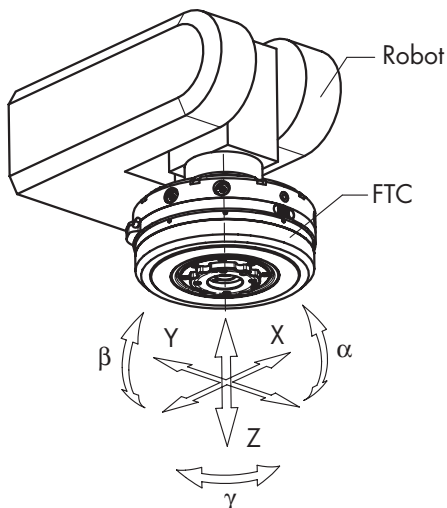


Flexible Force-moment sensor type FTC



Benefits

- Precise measurement of forces and torques in all 6 degrees of freedom
- Measurement of the deflection [mm and degrees] in all 6 axis
- simple connection to the control unit
- the flexibility of up to 1,4 mm and 1.4° ensures a higher operational safety
- calculation of the tool-centre-point-deflection possible
- with LED lamp
- mechanical overload protection device



Technical data

Interfaces:

CAN-bus/Devicenet/RS 232

Material:

high-tensile, hard-coated aluminium alloy

Fastening:

Standardized ISO 9409-interface

Range of operating temperature:

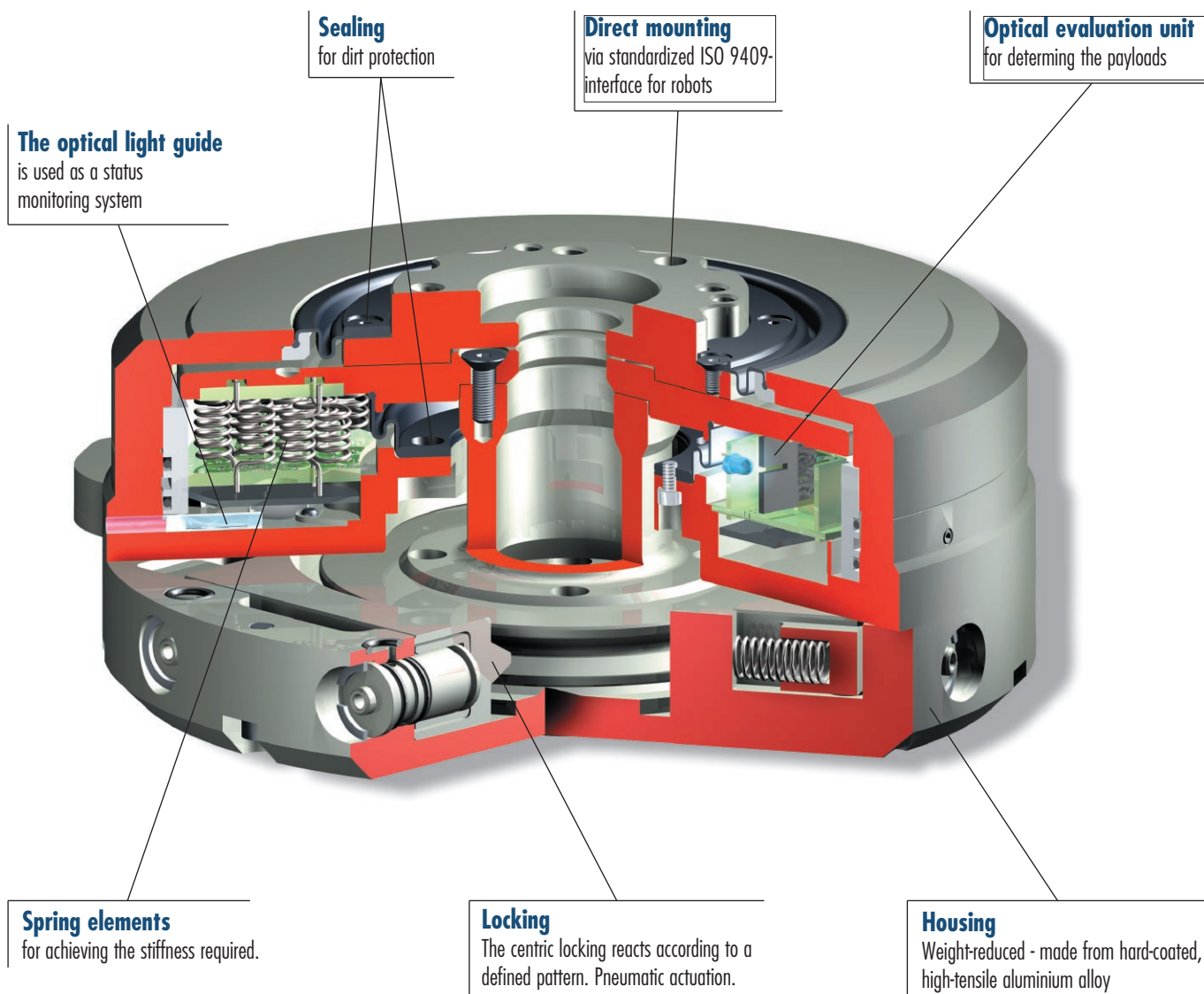
5 to 55° C

Parts supplied:

Sensor, software for PC-connection, assembly plug, operating- and maintenance manual, manufacturer's declaration

Accessories:

adapter cable



General information:	The efficiency of the sensor is based on the high speed DSP. During parallel operation the sensor data are permanently entered and filtered, measuring data is calculated and the communication interfaces are served.
Data interfaces:	CAN or DeviceNET, from 10 Kbaud to 1 Mbaud. RS 232 1200 Baud to 115200 Baud, RS 485 (available on request)
Data update rate:	Update of the measuring data: 1ms Shortest response time < 200 ms at 1 Mbaud (CAN)
Power supply:	10 – 26 VDC power consumption 1.8 W reverse battery protection controlled
Range of operating temperature:	5 – 55°C
Software:	Test software for monitoring every function and for first start, based on Agilent Vee. Can be used on Win 9x, Win NT, Win 2000 and Win XP
Programming:	Set command – Get command – Info command All commands can be released by simple property transmission. Using drivers is not necessary. Can be integrated into every software.
Remote assistance:	PC with sensor (client) and remote maintenance-PC (Master) have to be connected via internet and on both PCs the software (part supplied) have to be activated. Web-Server-Solution on request.
Connection:	Connection via inputs and outputs available on request: Monitoring and teaching of all limit values via digital input (DI) and digital output (DO) of the customer's control unit. For this purpose a separate module is required.