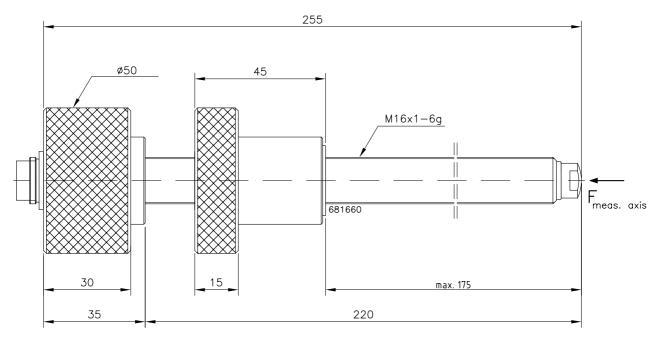
# **Scale drawing**



All dimensions in mm

# Rated measuring range

Nominal force [kN]		
10		

The measuring range of the sensor begins at the force's zero point.

Nominal forces differing from the list are available.

### **Scope of supply**

Sensor according to scale drawing

### **Special designs**

- · nominal forces differing from standard
- · dimensions for thread, spindle length and effective adjusting range differing from standard

#### **Accessories**

- sensor connection cable with female / male connector, length custom-specific
- sensor connection cable with female connector / open ends, length custom-specific

#### **Technical data**

Rated measuring range (FN)   Rated output   Rated output tolerance   Accuracy class   Excitation voltage max.   Reference excitation voltage   Input resistance   Output resistance   Output resistance   Solution resistance   Output resistance   Output resistance   Solution resistance   Output resistance   Solution resistance   Output resistance   Solution resistance   Solution resistance   Output resistance   Solution resistance   Solut				
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	Rated measuring range (FN)	kN	010	
Accuracy class 0,1  Excitation voltage max. V 12  Reference excitation voltage V 10  Input resistance $\Omega$ 350 $\pm 3$ Output resistance $\Omega$ 350 $\pm 1$ Isolation resistance $\Omega$ 350 $\pm 1$ Rated temperature range $\Omega$ 550  Operational temperature range $\Omega$ C 550  Operational temperature range $\Omega$ C -1070  Storage temperature range $\Omega$ C -3070  Reference temperature $\Omega$ C 23  Temperature influence per 10 K - 0 the calibration (TKC) $\Omega$ F <sub>N</sub> $\Omega$	Rated output	mV/V	1,0	
Excitation voltage max. Reference excitation voltage $V$ 10 10 10 10 10 10 10 10 10 10 10 10 10	Rated output tolerance	%	< ±0,2	
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	Accuracy class		0,1	
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	Excitation voltage max.	V	12	
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	Reference excitation voltage	V	10	
Isolation resistance   G\Omega   > 10     Rated temperature range   °C   550     Operational temperature range   °C   -1070     Storage temperature range   °C   -3070     Reference temperature   °C   23     Temperature influence per 10 K   - 0 n the zero point (TKO)   % F_N   < $\pm$ 0,1     - on the calibration (TKC)   % F_N   < $\pm$ 0,1     Creep after 30 minutes   % F_N   approx. 125     Deflection at nominal force   mm   Approx. 125     Natural frequency of the sensor   KHz   > 40 (depending on nominal force)     Weight   kg   approx. 1	Input resistance	Ω	350 ±3	
Rated temperature range Operational temperature range Storage temperature range C -1070 Storage temperature range C -3070 Reference temperature C 23  Temperature influence per 10 K - on the zero point (TK0) - on the calibration (TKC) Creep after 30 minutes  W F <sub>N</sub> Linear output signal up to Deflection at nominal force Natural frequency of the sensor Weight  S C -1070 -3	Output resistance	Ω	350 ±1	
Operational temperature range Storage temperature range Reference temperature  °C	Isolation resistance	GΩ	> 10	
Storage temperature range Reference temperature $^{\circ}$ C $^{\circ}$	Rated temperature range	°C	550	
Reference temperature $^{\circ}$ C 23  Temperature influence per 10 K - on the zero point (TK0) $^{\circ}$ F <sub>N</sub> $^{\circ}$ C $^{\circ}$ E <sub>0</sub> ,1 - on the calibration (TKC) $^{\circ}$ F <sub>N</sub> $^{\circ}$ Creep after 30 minutes $^{\circ}$ F <sub>N</sub> $^{\circ}$ Creep at nominal force $^{\circ}$ F <sub>N</sub> approx. 125  Deflection at nominal force $^{\circ}$ F <sub>N</sub> $^{\circ}$ C $^{\circ}$ Coulong the sensor $^{\circ}$ C	Operational temperature range	°C	-1070	
Temperature influence per 10 K   - on the zero point (TK0)	Storage temperature range	°C	-3070	
$ \begin{array}{llllllllllllllllllllllllllllllllllll$	Reference temperature	°C	23	
$ \begin{array}{llllllllllllllllllllllllllllllllllll$	Temperature influence per 10 K			
	- on the zero point (TK0)	% F <sub>N</sub>	< ±0,1	
Linear output signal up to  Deflection at nominal force  Natural frequency of the sensor  Weight  Weight  MFN  approx. 125  < 0,01  > 40 (depending on nominal force)  approx. 1	- on the calibration (TKC)	% F <sub>N</sub>	< ±0,15	
Deflection at nominal force Natural frequency of the sensor Weight    Columbia   Columbi	Creep after 30 minutes	% F <sub>N</sub>	< ±0,1	
Natural frequency of the sensor  Weight    KHz	Linear output signal up to	% F <sub>N</sub>	approx. 125	
Weight kg approx. 1	Deflection at nominal force	mm	< 0,01	
	Natural frequency of the sensor	kHz	> 40 (depending on nominal force)	
	Weight	kg	approx. 1	
Sensor housing high-tensile steel, black finishing	Sensor housing		high-tensile steel, black finishing	
Protection class IP 65	Protection class		IP 65	

# **Connections**



Technical design subject to change without prior notice. © 2008 by Honigmann

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