

Compression force transducer

Type K-18

- Nominal load 5 - 5000 kN*
- Stainless steel*
- High continuous dynamic load*
- Small position feedback < 0,1 mm*

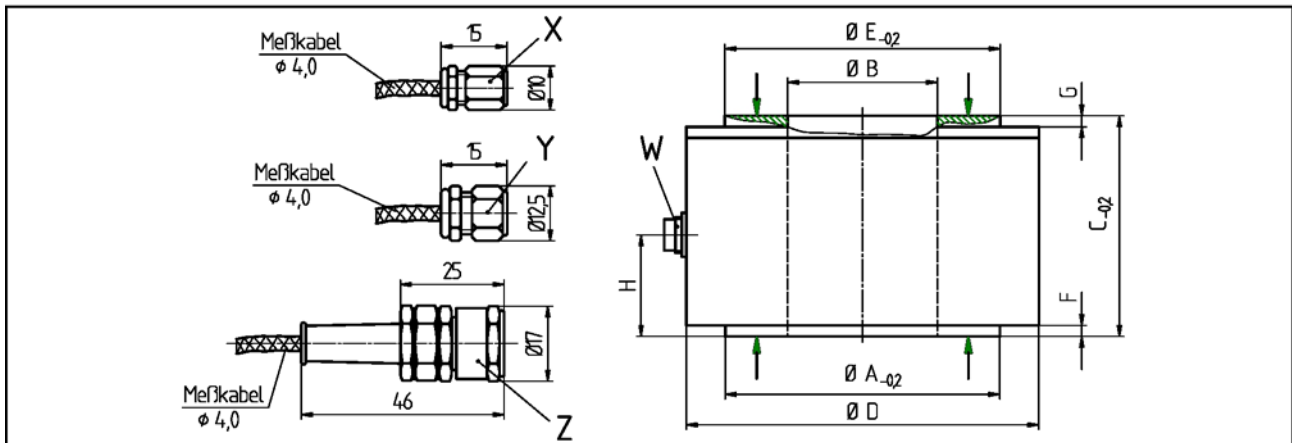


Connections			
	Connector	<i>or</i>	Cable
<i>Supply(-)</i>	Pin 1		<i>green</i>
<i>Supply(+)</i>	Pin 2		<i>brown</i>
<i>Sign(+)</i>	Pin 4		<i>yellow</i>
<i>Sign(-)</i>	Pin 5		<i>white</i>
<i>Calibration control</i>	Pin 6		<i>grey</i>
<i>Shield</i>	Pin 3		<i>netting</i>

4 - 20mA 3 wire excitation electronic can be internal in cell from 500kN up to 5000kN

Dimensions

K-18



Nominal load [kN]	A	B	C	D	E	F	G	H	W	X	Y	Z
5	10	5	30	30	10	2	2	15	-	yes	-	-
10	14	8	30	30	14	2	2	15	-	-	yes	-
20	22	15	30	40	22	2	2	15	-	-	yes	-
50	28	15	30	40	28	2	2	15	-	-	yes	-
100	35	20	40	55	35	2	2	20	-	-	-	yes
200	47,5	25	40	64	48	2,5	2,5	20	-	-	-	yes
500	60	30	50	80	60	4	3	26	yes	-	-	-
1000	88	68	100	129	88	4	5	46,5	yes	-	-	-
2000	105,6	68	100	160	106	5	5	46	yes	-	-	-
3000	125	68	100	160	124,6	5	5	47	yes	-	-	-
5000	220	100	120	270	220	5	5	60	yes	-	-	-

Specifications Type K-18

Accuracy class	S%	< 0,5
Service load	S%	120
Limit load	S%	150
Ultimate load	S%	> 300
Max. dynamic load (DIN 50 100)	S%	70
Position feedback	mm	< 0,1
Bridge resistance	Ω	350
Insulation resistance	Ω	> 2*10 ⁹
Supply voltage	V	2 ... 12
Max. supply voltage	V	15
Sensitivity (S)	mV/V	1,00
Temp. coeff. of sensitivity	S%/10K	±0,1
Temp. coeff. of zero	S%/10K	±0,1
Reference temperature	°C	23
Nominal temp. range	°C	-10 ... +50
Service temp. range	°C	-30 ... +80
Storage temperature range	°C	-50 ... +95
Combined error	S%	0,3
Creep error	S%/30min	< ±0,1
Level of protection (DIN 40 050)	IP 66	
Material	Stainless steel	
Cable (0 ... 200 kN)	3 m free wires	
Connector (500 ... 5000 kN)	6-pin	

Options

Calibration control	S%	100
Sensorinterface Type E-LCV 0 - 10 V - or 0(4) - 20 mA	LCVU - or LCVI	
Load adapter Type ED7 data sheet 08.0374		

Please specify requested nominal load at order !