![AST Gruppe - Angewandte System Technik logo]

KAN/2 MN
Force Transducer

Application

- Calibrations
- Scales

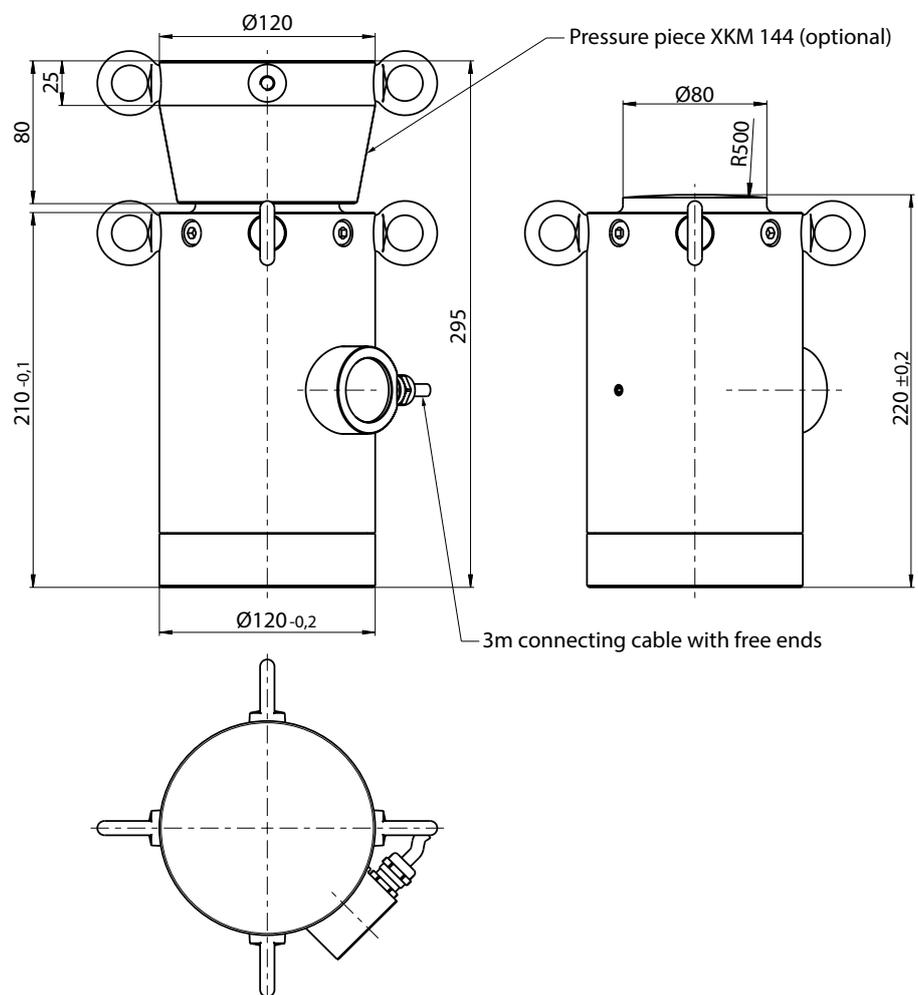## Features

- 2 MN
- For compressive forces
- ISO 376 - Class 1
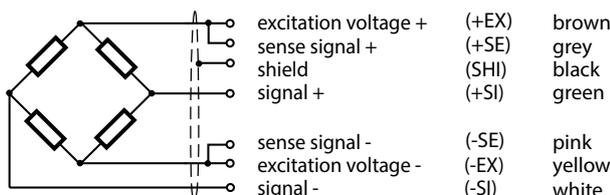- incl. wooden transport box

Options

- Pressure piece XKM 144

Dimension (mm)

Pressure piece XKM 144 (optional)

Ø120

25

80

210 -0,1

Ø120 -0,2

295

Ø80

R500

220 ±0,2

3m connecting cable with free ends

Wiring Code
Cable length 3m

excitation voltage +	(+EX)	brown
sense signal +	(+SE)	grey
shield	(SHI)	black
signal +	(+SI)	green
sense signal -	(-SE)	pink
excitation voltage -	(-EX)	yellow
signal -	(-SI)	white

Specification

Accuracy Class	% F_{nom}	0.1
Rated force (F_{nom})	kN	100/ 200
Maximum operating force (F_G)	% F_{nom}	150
Breaking force (F_B)	% F_{nom}	> 500
Lateral force limit (F_Q)	% F_{nom}	100
Rated characteristic value (C_{nom})	mV/V	2.000 ± 0.002
Relative deviation of zero signal	%	≤ 1
Reference excitation voltage (U_{ref})	VDC	10
Input resistance (R_e)	Ω	380 ± 30
Output resistance (R_a)	Ω	352 ±1.5
Insulation resistance (R_{is})	Ω	> 5 x 10^9
Relative linearity error (d_{lin})	%	≤ 0.10
Relative reversibility error (v)	%	≤ 0.10
Temperature effect on zero signal (TK_0)	%/10K	≤ 0.10
Temperature effect on character. value (TK_C)	%/10K	≤ 0.10
Relative creep over 30 minutes ($d_{cr, F+E}$)	%	≤ 0.10
Reference temperature (T_{ref})	°C	+23
Rated temperature range ($B_{T, nom}$)	°C	-20 ... +60
Operating temperature range ($B_{T, G}$)	°C	-30 ... +70
Storage temperature range ($B_{T, S}$)	°C	-40 ... +70
Environmental protection (EN 60529)		IP 54
Weight	kg	approx. 18

All data according to VDI/VDE/DKD 2638

Order Example

Type Code	Description
KAN/2MN/0,1	Force transducer 2 MN with 0.1% accuracy class
	incl. wooden transport box (535 x 275 x 375mm (WxDxH))
	— Accuracy class
	— Rated force
	— Model

Accessoires/ Options

	Type Code	Description
Pressure piece	XKM 144	for KAN/2 MN incl. 2x eyebolts (6.5 kg)
Display unit	AE 703	Mobile Display