

Hand held instrument *easyforce* pro

Applications

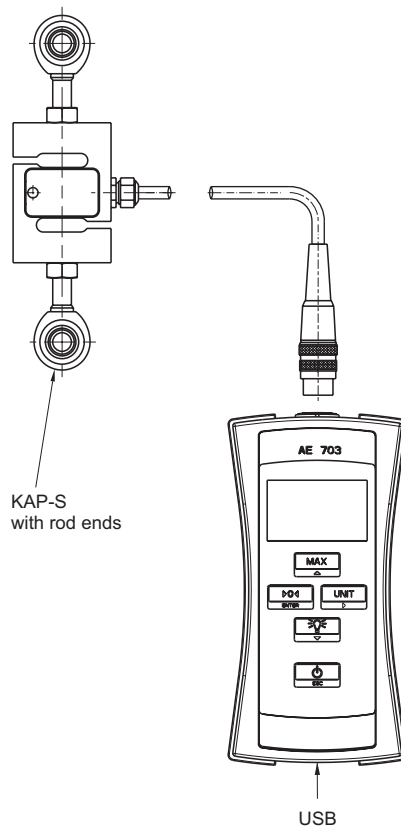
- Measurement of tensile and compressive force
- Compilation and display of forces
- Inspection of machines and facilities

Special features

- Rated loads 1kN up to 50kN
- Easy to use
- Sturdy battery operated display
- Max./Min. value display
- USB 2.0 interface
- Measuring rate up to 1600/s
- Including calibration certificate
- Incl. PC software **ASTAS**



Dimensions (mm)



Easy Force Pro	1kN - 2kN	5kN - 10kN	20kN	50kN
Eye base/ - diameter	128/ Ø8 ^{H7}	146/ Ø12 ^{H7}	198/ Ø20 ^{H7}	228/ Ø25 ^{H7}
Rod end 2x	GKA8	GKA12	GKA20	GKA25
Load button	XKM 040	XKM 019	XKM 043	XKM 044
Height with load button	68	85	100	100

Specifications

Accuracy Class	% F _{nom}	0.1
Force Transducer		
Rated force (F _{nom})	kN	KAP-S 1/ 2/ 5/ 10/ 20/ 50
Maximum operating force (F _G)	% F _{nom}	150
Breaking force (F _B)	% F _{nom}	> 300
Lateral force limit (F _Q)	% F _{nom}	100
Rated characteristic value (C _{nom})	mV/V	2 ±0,005
Relative linearity error (d _{lin})	%	≤ 0.1
Relative reversibility error (v)	%/10K	≤ 0.1
Temperature effect on zero signal (TK ₀)	%/10K	≤ 0.1
Temperature effect on characteristic value (TK _C)	%/10K	≤ 0.1
Relative creep over 30 minutes (d _{cr, F+E})	%	≤ 0.1
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 42
Device		
Excitation voltage	VDC	AE 703 approx. 5
Type size	mm	14
Display range		-99999 to 99999
Display mode		measured value, maximum value, minimal value, over- load, various units, status battery
Display refresh rate	1/s	3
USB interface		Mini-USB-B connector, 6 pin
Power supply		3.0 ... 4.8 (3 Accumulators or primary cells AA)
Operation time with batteries included	h	approx. 40
Dimensions (W x H x D)	mm	82.1 x 161.7 x 53.8
Environmental protection (EN 60529)		IP 54

All data according to VDI/VDE/DKD 2638

Type Code

Type Code	Description	Display increment
EasyForce PRO 1kN	Hand held force measuring instrument 1kN	± 0.1N
EasyForce PRO 2kN	Hand held force measuring instrument 2kN	± 0.1N
EasyForce PRO 5kN	Hand held force measuring instrument 5kN	± 1N
EasyForce PRO 10kN	Hand held force measuring instrument 10kN	± 0.001kN
EasyForce PRO 20kN	Hand held force measuring instrument 20kN	± 0.001kN
EasyForce PRO 50kN	Hand held force measuring instrument 50kN	± 0.01kN

(tensile force positively)

Accessoires (included in delivery)

	Type Code	Description
Case	XKM 270.01	Storage case for AE 703, force transducer and accessories. incl. 3 batteries, USB cable (1.8m). screw driver for battery compartment, CD- ROM with manual and software ASTAS
Works calibration	XKW 223	works calibration at 5 points - tension+pressure