

Hand held instrument *easyforce*

Applications

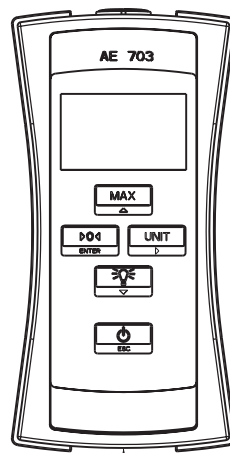
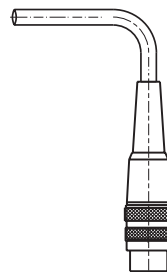
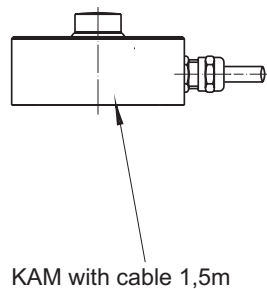
- Measurement of compressive force
- Compilation and display of forces
- Inspection of machines and facilities

Special features

- Rated loads 100N up to 200kN
- 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)



USB



Easy Force	100-200N	500N - 10kN	20-50kN	100-200kN
Compression Force Transducer Diameter/height	Ø25/13	Ø40/25	Ø90/48	Ø115/ 60

Specifications

Accuracy Class	% F _{nom}	0.2
Force Transducer		KAM
Rated force (F _{nom})	kN	0.1/ 0.2/ 0.5/ 1/ 2/ 5/ 10/ 20/ 50/ 100/ 200
Maximum operating force (F _G)	% F _{nom}	150
Breaking force (F _B)	% F _{nom}	> 300
Lateral force limit (F _Q)	% F _{nom}	50
Rated characteristic value (C _{nom})	mV/V	1
Relative linearity error (d _{lin})	%	≤ 0.2
Relative reversibility error (v)	%/10K	≤ 0.2
Temperature effect on zero signal (TK ₀)	%/10K	≤ 0.2
Temperature effect on characteristic value (TK _C)	%/10K	≤ 0.2
Relative creep over 30 minutes (d _{cr, F+E})	%	≤ 0.2
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 67
Device		AE 703
Excitation voltage	VDC	approx. 5
Type size	mm	14
Display range		-99999 to 99999
Display mode		measured value, maximum value, minimal value, overload, 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 100N	Hand held force measuring instrument 100N	± 0.01N
EasyForce 200N	Hand held force measuring instrument 200N	± 0.1N
EasyForce 500N	Hand held force measuring instrument 500N	± 0.1N
EasyForce 1kN	Hand held force measuring instrument 1kN	± 0.1N
EasyForce 2kN	Hand held force measuring instrument 2kN	± 1N
EasyForce 5kN	Hand held force measuring instrument 5kN	± 1N
EasyForce 10kN	Hand held force measuring instrument 10kN	± 0.001kN
EasyForce 20kN	Hand held force measuring instrument 20kN	± 0.01kN
EasyForce 50kN	Hand held force measuring instrument 50kN	± 0.01kN
EasyForce 100kN	Hand held force measuring instrument 100kN	± 0.01kN
EasyForce 200kN	Hand held force measuring instrument 200kN	± 0.1kN

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 221	works calibration at 5 points - pressure