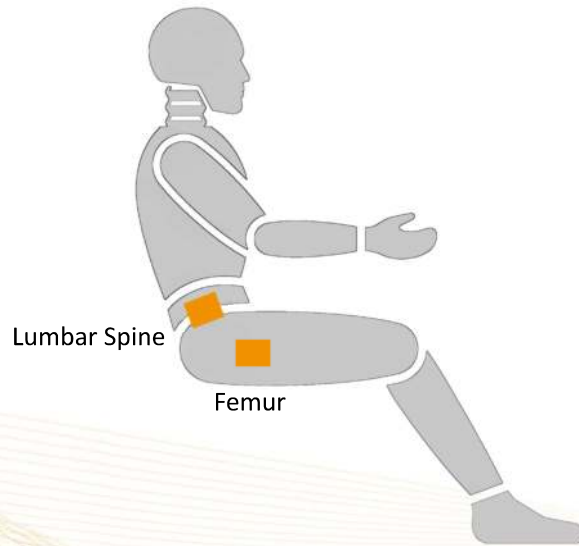


Dummy H2-50%



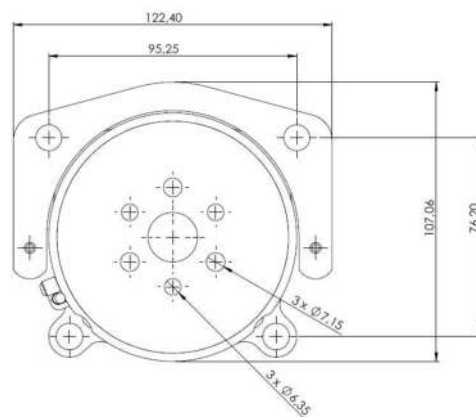
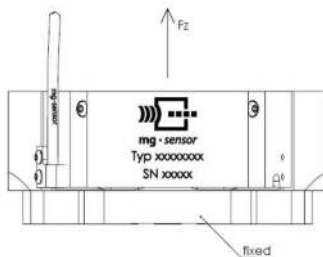
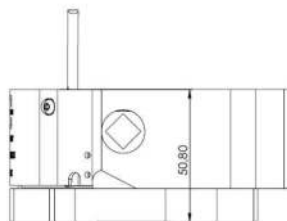
Location	Axial	Model*	Page
Lumbar Spine	1	F1AIA11A	9
Lumbar Spine	3	F3AIA11A	10
Lumbar Spine	3	N3AIB11A; N3AIE11A	on request
Lumbar Spine	4	N4AIB11A	11
Lumbar Spine	6	N6AIK11A ; N6AIM11A	12
Lumbar Spine	7	N7AIM11A	14
Femur	1	F1ACA11A ; F1ACG10A	15
Femur	2	F2ACA11A	17
Femur	6	N6ACB11A ; N6ACC11A (on request)	18

*additional versions available on request!

F1AIA11A   Dummy side view see page 8	Description	Load Cell, 1-axial Lumbar Spine	
	Measuring range F_z	kN	22,2
	Sensitivity ¹⁾ F_z	$\mu\text{V/V/kN}$	45
	Output signal ^{1), 2)} F_z	mV/V	1,0
	Bridge resistance F_z	Ω	700
	Zero signal ¹⁾	mV/V	$\leq 0,05$
	Amplitude non-linearity ³⁾	%	$\leq 1,0$
	Hysteresis ³⁾	%	$\leq 1,0$
	Channel crosstalk ³⁾	%	-
	Supply voltage	V	2–15
	Ultimate load	%	150
	Insulation resistance	M Ω	> 100
	Temperature range	°C	–30..+70
	Weight (approximate)	g	820
	Application	H2-50%	

All values measured at 10 V sensor supply voltage and at 23 °C.

¹⁾ Typical value, ²⁾ At nominal load, ³⁾ Relative nominal range



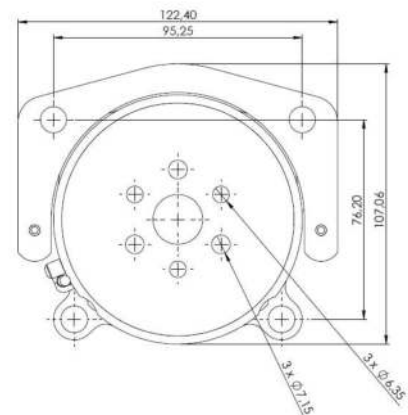
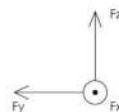
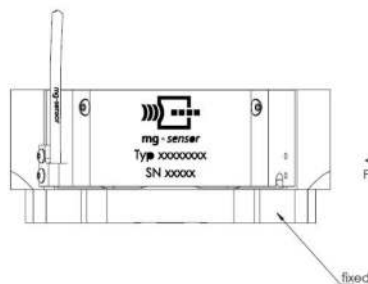
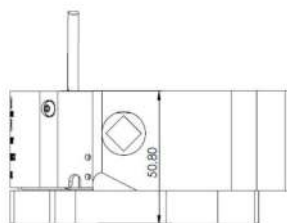
F3AIA11A

Dummy side view see page 8

Description	Load Cell, 3-axial Lumbar Spine	
Measuring range $F_x/F_y/F_z$	kN	13,3/13,3/22,2
Sensitivity ¹⁾ $F_x/F_y/F_z$	$\mu\text{V/V/kN}$	75/75/36
Output signal ^{1), 2)} $F_x/F_y/F_z$	mV/V	1,0/1,0/0,8
Bridge resistance $F_x/F_y/F_z$	Ω	350/350/700
Zero signal ¹⁾	mV/V	$\leq 0,05$
Amplitude non-linearity ³⁾	%	$\leq 1,0$
Hysteresis ³⁾	%	$\leq 1,0$
Channel crosstalk ³⁾	%	$\leq 5,0$
Supply voltage	V	2–15
Ultimate load	%	150
Insulation resistance	M Ω	> 100
Temperature range	°C	–30..+70
Weight (approximate)	g	820
Application	H2-50%	

All values measured at 10 V sensor supply voltage and at 23 °C.

¹⁾ Typical value, ²⁾ At nominal load, ³⁾ Relative nominal range



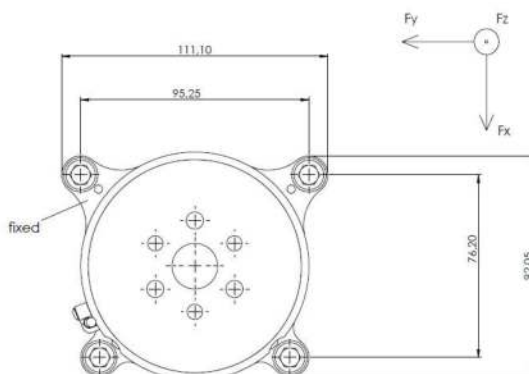
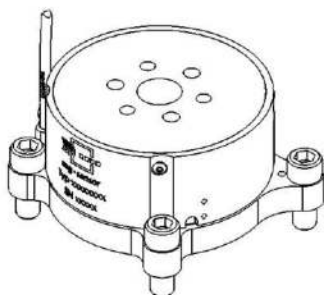
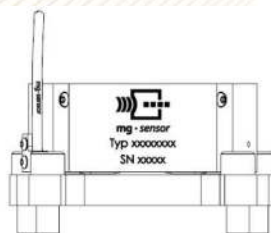
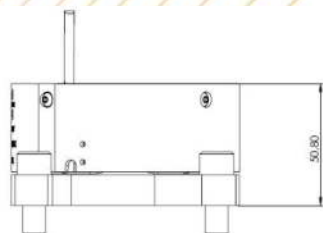
N4AIB11A

Dummy side view see page 8

Description	Load Cell, 4-axial Lumbar Spine	
Measuring range <i>F_x/F_y/F_z</i> <i>M_y</i>	kN Nm	13,3/13,3/22,2 1130
Sensitivity ¹⁾ <i>F_x/F_y/F_z</i> <i>M_y</i>	μV/V/kN μV/V/Nm	75/75/36 1,5
Output signal ^{1), 2)} <i>F_x/F_y/F_z/M_y</i>	mV/V	1,0/1,0/0,8/1,7
Bridge resistance <i>F_x/F_y/F_z/M_y</i>	Ω	350/350/700/350
Zero signal ¹⁾	mV/V	≤ 0,05
Amplitude non-linearity ³⁾	%	≤ 1,0
Hysteresis ³⁾	%	≤ 1,0
Channel crosstalk ³⁾	%	≤ 5,0
Supply voltage	V	2–15
Ultimate load	%	150
Insulation resistance	MΩ	> 100
Temperature range	°C	–30..+70
Weight (approximate)	g	820
Application	H2-50%	

All values measured at 10 V sensor supply voltage and at 23 °C.

¹⁾ Typical value, ²⁾ At nominal load, ³⁾ Relative nominal range



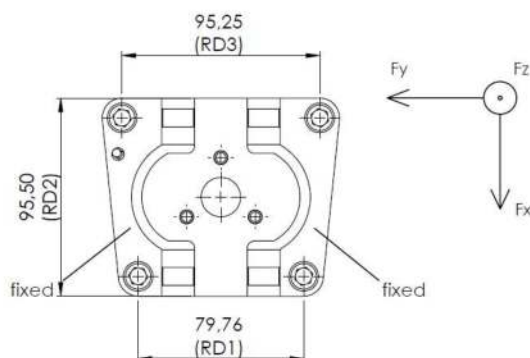
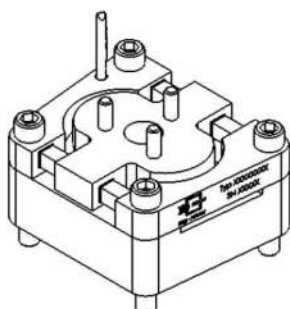
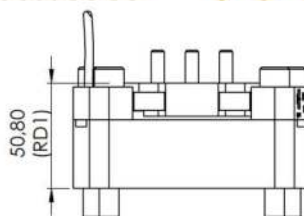
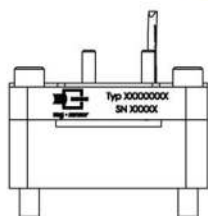
N6AIK11A

Dummy side view see page 8

Description	Load Cell, 6-axial Lumbar Spine	
Measuring range $F_x/F_y/F_z$ $M_x/M_y/M_z$	kN Nm	6,7/6,7/8,9 340/340/225
Sensitivity ¹⁾ $F_x/F_y/F_z$ $M_x/M_y/M_z$	$\mu\text{V/V/kN}$ $\mu\text{V/V/Nm}$	284/284/67 4,1/4,1/5,8
Output signal ^{1), 2)} $F_x/F_y/F_z/M_x/M_y/M_z$	mV/V	1,9/1,9/0,6/1,4/1,4/1,3
Bridge resistance $F_x/F_y/F_z/M_x/M_y/M_z$	Ω	350/350/1400/700/700/350
Zero signal ¹⁾	mV/V	$\leq 0,05$
Amplitude non-linearity ³⁾	%	$\leq 1,0$
Hysteresis ³⁾	%	$\leq 1,0$
Channel crosstalk	%	$\leq 5,0$
Supply voltage	V	2–15
Ultimate load	%	150
Insulation resistance	M Ω	> 100
Temperature range	°C	–30..+70
Weight (approximate)	g	-
Application	H2-50%, FAA	

All values measured at 10 V sensor supply voltage and at 23 °C.

¹⁾ Typical value, ²⁾ At nominal load, ³⁾ Relative nominal range



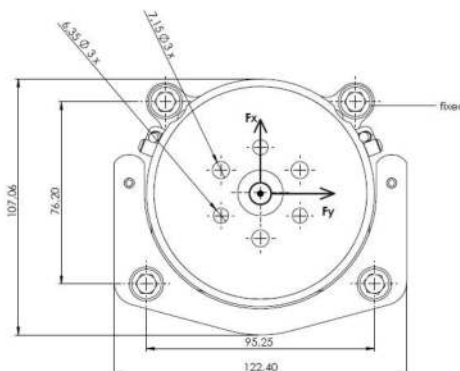
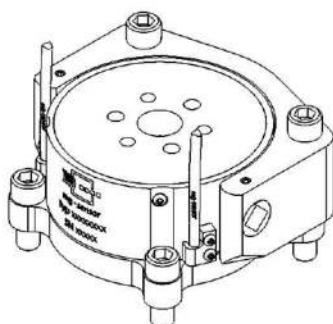
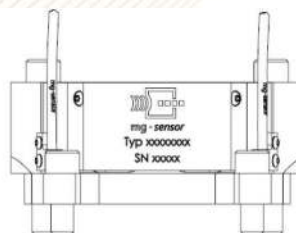
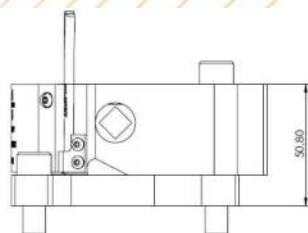
N6AIM11A

Dummy side view see page 8

Description	Load Cell, 6-axial Lumbar Spine	
Measuring range $F_x/F_y/F_z$ $M_x/M_y/M_z$	kN Nm	13,3/13,3/22,2 1130/1130/452
Sensitivity ¹⁾ $F_x/F_y/F_z$ $M_x/M_y/M_z$	$\mu\text{V/V/kN}$ $\mu\text{V/V/Nm}$	98/98/36 1,7/1,7/2,4
Output signal ^{1), 2)} $F_x/F_y/F_z/M_x/M_y/M_z$	mV/V	1,3/1,3/0,8/1,9/1,9/1,1
Bridge resistance $F_x/F_y/F_z/M_x/M_y/M_z$	Ω	350/350/700/350/350/700
Zero signal ¹⁾	mV/V	$\leq 0,05$
Amplitude non-linearity ³⁾	%	$\leq 1,0$
Hysteresis ³⁾	%	$\leq 1,0$
Channel crosstalk ³⁾	%	$\leq 5,0$
Supply voltage	V	2–15
Ultimate load	%	150
Insulation resistance	M Ω	> 100
Temperature range	°C	–30..+70
Weight (approximate)	g	1600
Application	H2-50%	

All values measured at 10 V sensor supply voltage and at 23 °C.

¹⁾ Typical value, ²⁾ At nominal load, ³⁾ Relative nominal range



N7AIM11A

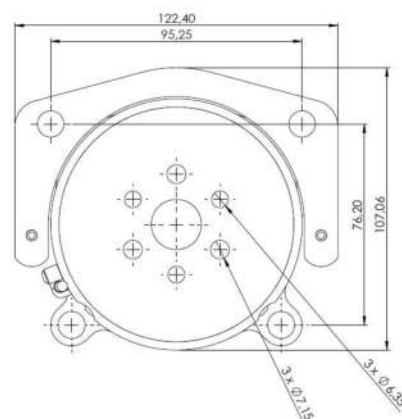
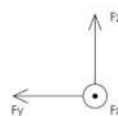
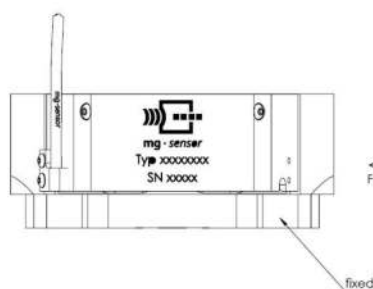
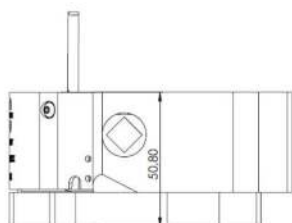


Dummy side view see page 8

Description	Load Cell, 7-axial Lumbar Spine	
Measuring range <i>F_x/F_y/F_z/F_z</i> <i>M_x/M_y/M_z</i>	kN Nm	13,3/13,3/22,2/22,2 1130/1130/452
Sensitivity ¹⁾ <i>F_x/F_y/F_z/F_z</i> <i>M_x/M_y/M_z</i>	μV/V/kN μV/V/Nm	98/98/36/36 1,7/1,7/2,4
Output signal ^{1), 2)} <i>F_x/F_y/F_z/F_z/M_x/M_y/M_z</i>	mV/V	1,3/1,3/0,8/0,8/1,9/1,9/1,1
Bridge resistance <i>F_x/F_y/F_z/F_z/M_x/M_y/M_z</i>	Ω	350/ 350/700/700/350/350/700
Zero signal ¹⁾	mV/V	≤ 0,05
Amplitude non-linearity ³⁾	%	≤ 1,0
Hysteresis ³⁾	%	≤ 1,0
Channel crosstalk ³⁾	%	≤ 5,0
Supply voltage	V	2–15
Ultimate load	%	150
Insulation resistance	MΩ	> 100
Temperature range	°C	–30..+70
Weight (approximate)	g	816
Application	H2-50%	

All values measured at 10 V sensor supply voltage and at 23 °C.

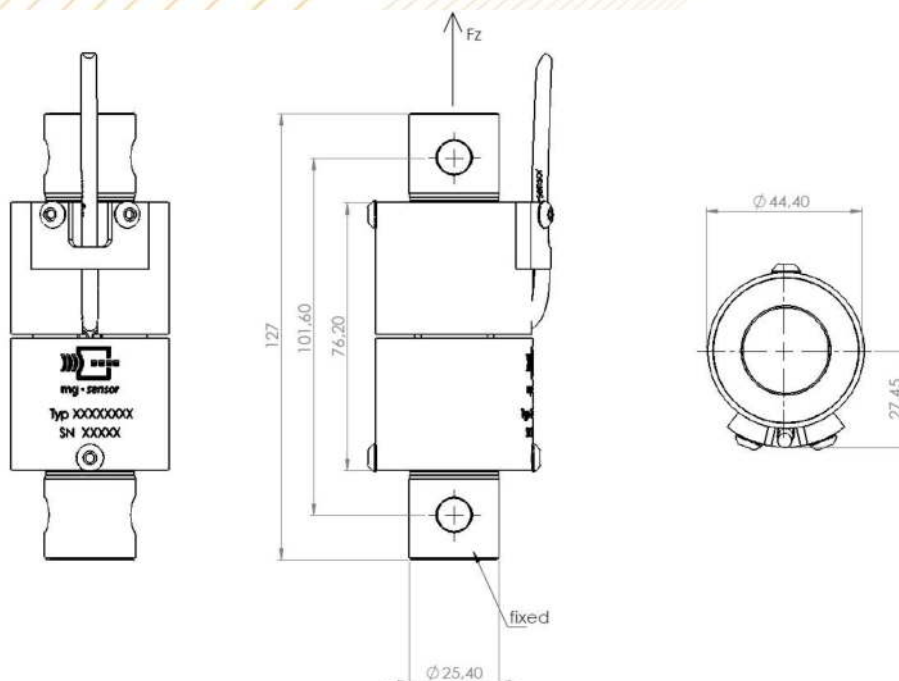
¹⁾ Typical value, ²⁾ At nominal load, ³⁾ Relative nominal range



F1ACA11A  Dummy side view see page 8	Description	Load Cell, 1-axial Femur	
	Measuring range F_z	kN	13,3
	Sensitivity ¹⁾ F_z	$\mu\text{V/V/kN}$	105
	Output signal ^{1), 2)} F_z	mV/V	1,4
	Bridge resistance F_z	Ω	350
	Zero signal ¹⁾	mV/V	$\leq 0,05$
	Amplitude non-linearity ³⁾	%	$\leq 1,0$
	Hysteresis ³⁾	%	$\leq 1,0$
	Channel crosstalk	%	-
	Supply voltage	V	2–15
	Ultimate load	%	150
	Insulation resistance	M Ω	> 100
	Temperature range	$^{\circ}\text{C}$	-30..+70
	Weight (approximate)	g	630
	Application	H2-50%, H3-Family, FAA	

All values measured at 10 V sensor supply voltage and at 23 $^{\circ}\text{C}$.

¹⁾ Typical value, ²⁾ At nominal load, ³⁾ Relative nominal range



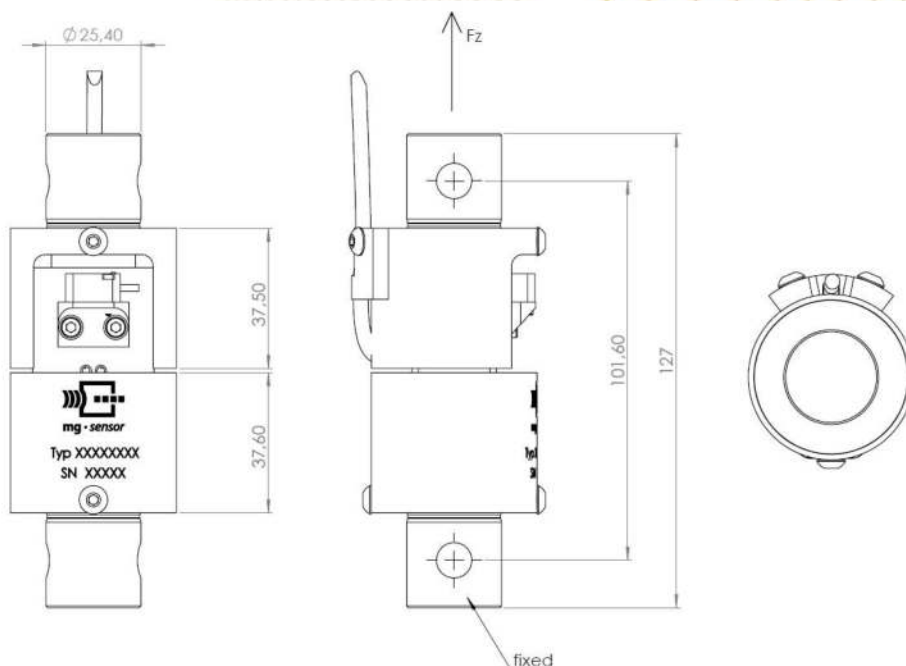
F1ACG10A

Dummy side view see page 8

Description	Load Cell, 1-axial Femur	
Measuring range <i>F_z</i>	kN	13,3
Sensitivity ¹⁾ <i>F_z</i>	μV/V/kN	105
Output signal ^{1), 2)} <i>F_z</i>	mV/V	1,4
Bridge resistance <i>F_z</i>	Ω	350
Zero signal ¹⁾	mV/V	≤ 0,05
Amplitude non-linearity ³⁾	%	≤ 1,0
Hysteresis ³⁾	%	≤ 1,0
Channel crosstalk ³⁾	%	-
Supply voltage	V	2–15
Ultimate load	%	150
Insulation resistance	MΩ	> 100
Temperature range	°C	–30..+70
Weight (approximate)	g	630
Application	H2-50%, H3-Family, FAA	

All values measured at 10 V sensor supply voltage and at 23 °C.

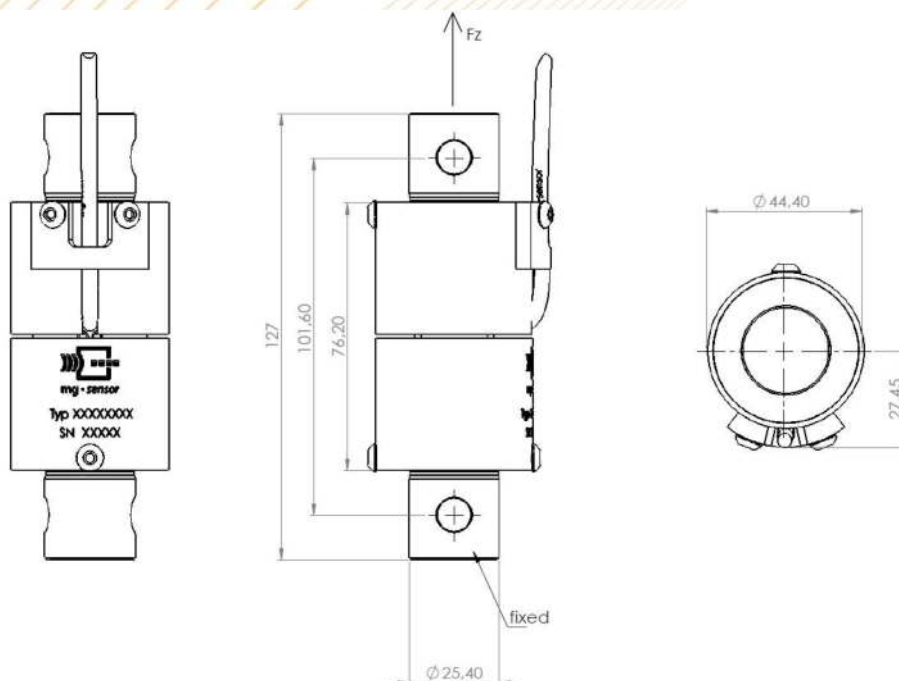
¹⁾ Typical value, ²⁾ At nominal load, ³⁾ Relative nominal range



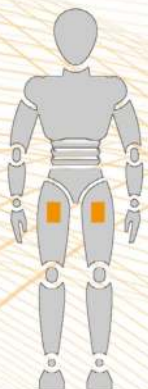
F2ACA11A   Dummy side view see page 8	Description	Load Cell, 2-axial Femur	
	Measuring range F_z / F_z	kN	13,3/13,3
	Sensitivity ¹⁾ F_z / F_z	$\mu\text{V/V/kN}$	113/113
	Output signal ^{1), 2)} F_z / F_z	mV/V	1,5/1,5
	Bridge resistance F_z / F_z	Ω	350/350
	Zero signal ¹⁾	mV/V	$\leq 0,05$
	Amplitude non-linearity ³⁾	%	$\leq 1,0$
	Hysteresis ³⁾	%	$\leq 1,0$
	Channel crosstalk ³⁾	%	$\leq 5,0$
	Supply voltage	V	2–15
	Ultimate load	%	150
	Insulation resistance	M Ω	> 100
	Temperature range	°C	–30...+70
	Weight (approximate)	g	630
	Application	H2-50%, H3-Family, FAA	

All values measured at 10 V sensor supply voltage and at 23 °C.

¹⁾ Typical value, ²⁾ At nominal load, ³⁾ Relative nominal range



N6ACB11A



Dummy side view see page 8

Description	Load Cell, 6-axial Femur (with aluminum caps)*	
Measuring range <i>F_x/F_y/F_z</i> <i>M_x/M_y/M_z</i>	kN Nm	13,3/13,3/22,2 339/339/339
Sensitivity ¹⁾ <i>F_x/F_y/F_z</i> <i>M_x/M_y/M_z</i>	μV/V/kN μV/V/Nm	135/135/54 4,4/4,4/7,7
Output signal ^{1), 2)} <i>F_x/F_y/F_z/M_x/M_y/M_z</i>	mV/V	1,8/1,8/1,2/1,5/1,5/2,6
Bridge resistance <i>F_x/F_y/F_z/M_x/M_y/M_z</i>	Ω	350/ 350/700/350/350/700
Zero signal ¹⁾	mV/V	≤ 0,05
Amplitude non-linearity ³⁾	%	≤ 1,0
Hysteresis ³⁾	%	≤ 1,0
Channel crosstalk ³⁾	%	≤ 5,0
Supply voltage	V	2–15
Ultimate load	%	150
Insulation resistance	MΩ	> 100
Temperature range	°C	–30..+70
Weight (approximate)	g	850
Application	H2-50%, H3-Family, Thor, FAA, SID-Family	

All values measured at 10 V sensor supply voltage and at 23 °C.

¹⁾ Typical value, ²⁾ At nominal load, ³⁾ Relative nominal range

*likewise available with steel caps (N6ACC11A)
or without caps (N6ACF11A).

