

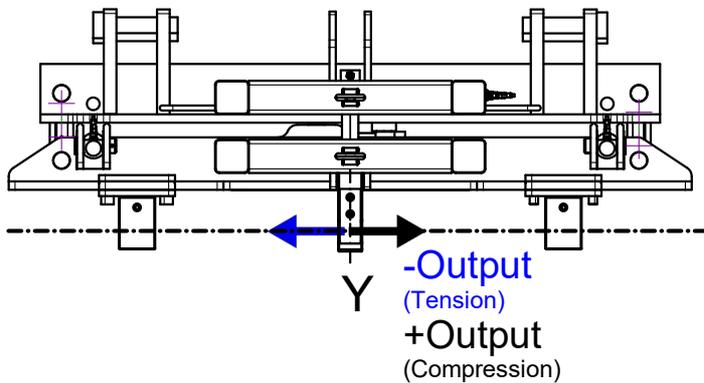
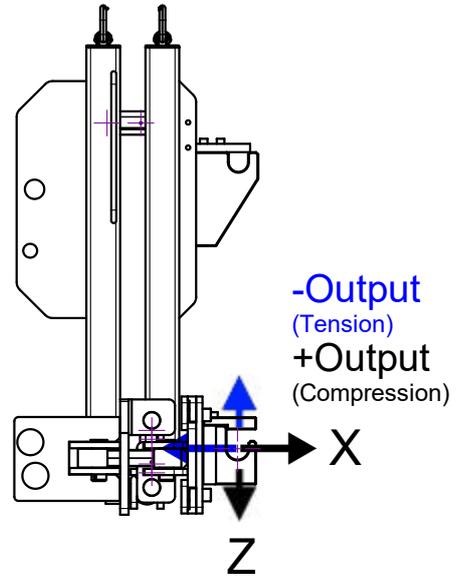
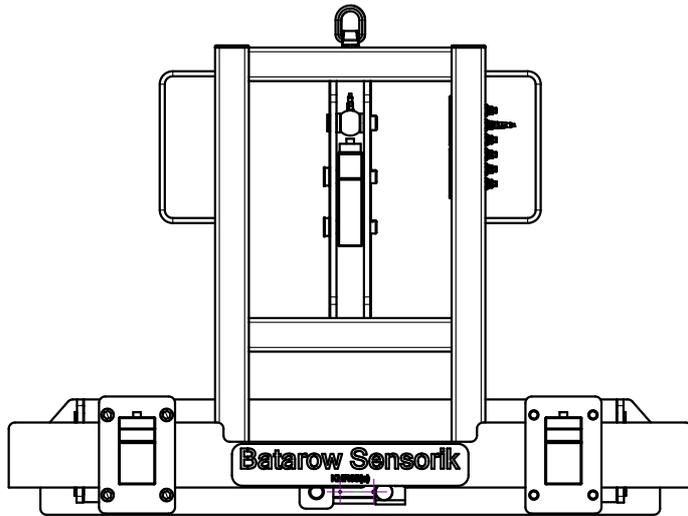
# KMR05

## Force measuring frame Quick Hitch Cat 4N

(quick hitch according ANSI / ASABE AD11001-1)

### Content of KMR Datasheet

- Page 1 ... General
- Page 2 ... Mounting Situation
- Page 3 ... Output Signal & Wiring
- Page 4 ... Position of the Loadpins

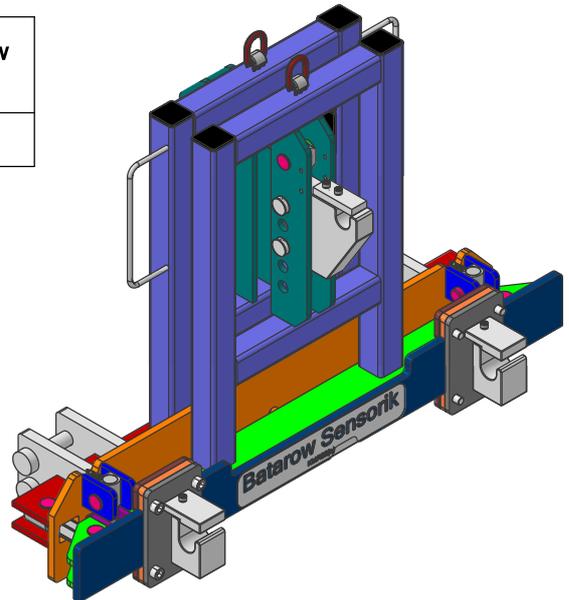


**Attention:**  
Measurable force-direction  
depends on selected signal

Ordernumber	Fx [kN] (F.S.)	Fy [kN] (F.S.)	Fz [kN] (F.S.)	Uncertainty [kN] (k=2)	Review
KMR05-240-x-A	240	120	240	± 2,0	A

### Specifications:

Dimension / Material		
Material		Steel
Protection class		IP 66
Hardness (load area)	HRC	n.e.
Mechanical Data		
Safe Load Limit	% of F.S.	120
Breaking Load	% of F.S.	200
Precision		
Nonlinearity	% of F.S.	±0,5
Nonrepeatability	% of F.S.	±0,25
Hysteresis	% of F.S.	±0,2
Temp. Shift Zero	% of F.S./K.	±0,05
Temp. Shift Span	% of F.S./K.	±0,05
Temperature		
Compensated Temp.	°C	-10...+60
Operating Temp.	°C	-20...+70



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# Mounting Situation

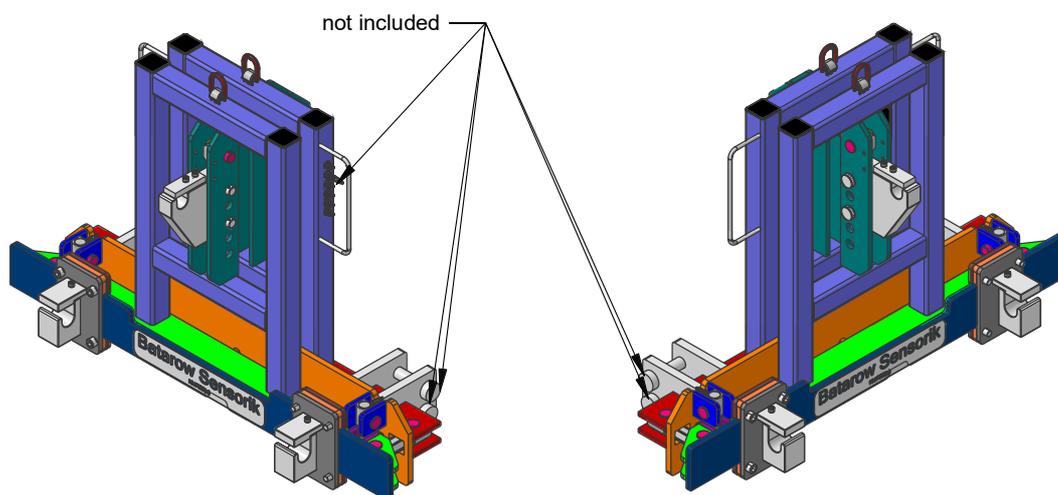
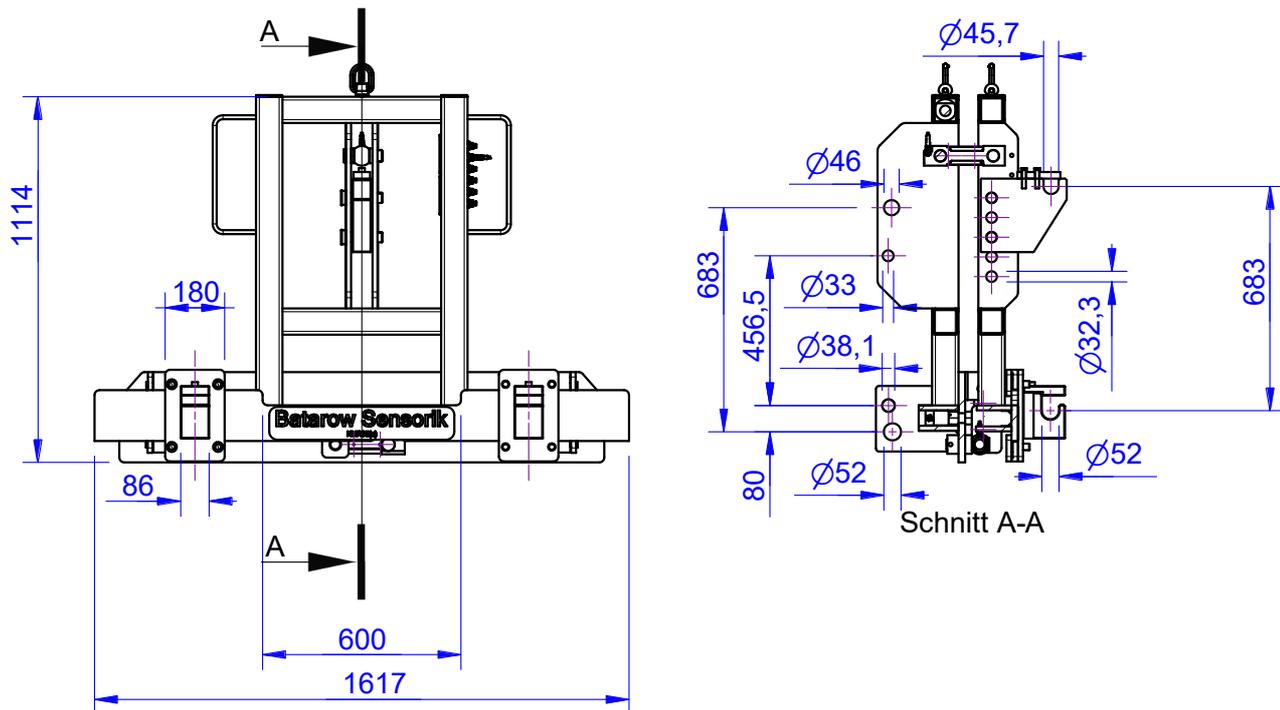
KMR05 Review: A

Bore fit of mounting situation: H7

## Configuration

possible mounting situation / customer mounting could vary

(Please describe mounting situation with Vs, Ws, Xs, Ys and Zs for best possible calibration)



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# Output Signal & Wiring

KMR05 Review: A

## Analog Output mV/V (S1)

Electrical Data		
Rated Output	mV/V@F.S.	1
Zero Balance	mV/V	±0,05
Exitation (Maximum)	Volt	10
Input Resistance	Ohm	450±100
Output Resistance	Ohm	352±2
Insulating Resistance	GOhm	>5

Wiringcode: WC58		Connectortype: M12 (male)			
	Exitation (+) Pin 1	Exitation (-) Pin 2	Bridge (+) Pin 3	Bridge (-) Pin 4	

## Analog Output mV/V (TEDS1)

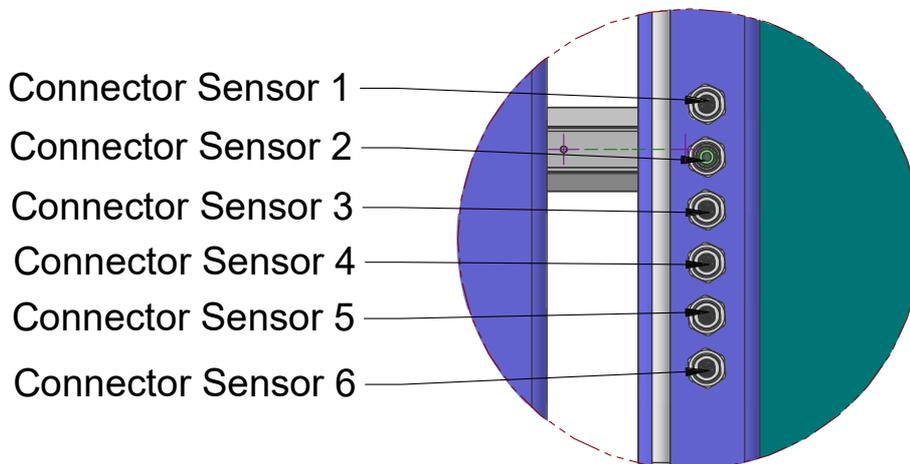
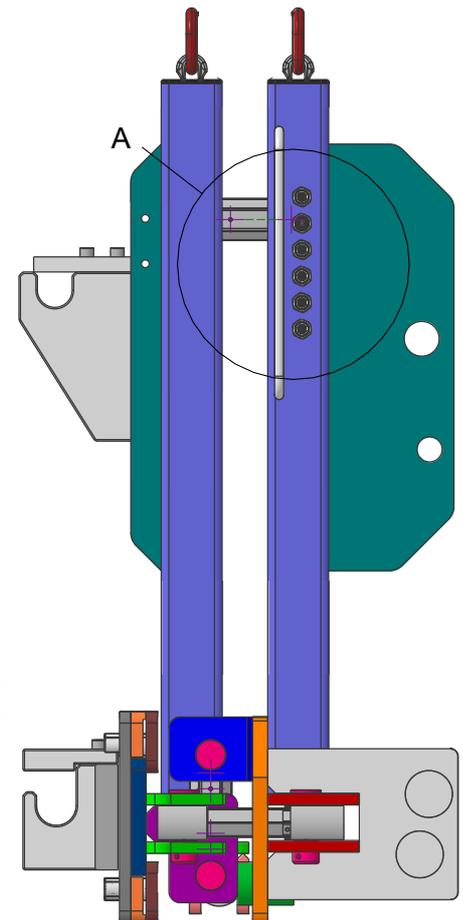
Electrical Data S1		
Rated Output @ F.S.	mV/V	1
Zero Balance	mV/V	±0,05
Supply Voltage Maximum	V	10
Input Resistance	Ω	450±100
Output Resistance	Ω	352±2
Insulating Resistance	GΩ	>5

Wiringcode: WC68		Connectortype: M12 (male plug)				
	Exitation (+) Pin 1	Exitation (-) / TEDS-GND Pin 2	Bridge (+) Pin 3	Bridge (-) Pin 4	TEDS-IO Pin 5	

## Analog Output mV/V (TEDS2)

Electrical Data S1		
Rated Output @ F.S.	mV/V	1
Zero Balance	mV/V	±0,05
Supply Voltage Maximum	V	10
Input Resistance	Ω	450±100
Output Resistance	Ω	352±2
Insulating Resistance	GΩ	>5

Wiringcode: WC73 for TEDS			
			
Cabeling: M12 Male Socket / Flanschdose (male)			
+Us	Pin 2 / brown	+Uf	Pin 6 / pink
-Us	Pin 1 / white	-Uf	Pin 5 / grey
+Ud	Pin 3 / green	TEDS GND	Pin 7 / blue
-Ud	Pin 4 / yellow	TEDS IO	Pin 8 / red



Detailansicht A

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