



aim arnold intelligente messsysteme



Current Sensor CS-XX

Current Sensor CS-05		
Typ	Unit	Value
Power supply		
Supply voltage	V	4.5-10.5
Current consumption at 5V	mA	≈ 9
Output Signal		
Nominal measuring range	A	0-100
Sensitivity	$\frac{mV}{V \cdot A}$	≈ 3.2
Dimension and wiring		
Overall dimension	mm	18x8x16(LxWxH)
Permissible cable diameter	mm	$< 5mm$
Weight (without cable)	g	≈ 10
IP Code	–	$IP41$
Connector	–	Binder 712 7-Pin, female

Current Sensor CS-10		
Typ	Unit	Value
Power supply		
Supply voltage	V	3.3 or 5
Current consumption at 5V	mA	≈ 7
Output Signal		
Nominal measuring range	A	0-300
Sensitivity	$\frac{mV}{V \cdot A}$	≈ 1.2
Dimension and wiring		
Overall dimension	mm	27x10x23(LxWxH)
Permissible cable diameter	mm	$< 9.5mm$
Weight (without cable)	g	≈ 20
IP Code	–	$IP41$
Connector	–	Binder 712 7-Pin, female

Current Sensor Series CS-XX

The current sensors of the CS-XX series are based on a hinged ferrite ring with a Hall sensor. If a current-carrying conductor is brought into the ferrite ring, the current rating can be determined via the sensor.

The current sensors are the ideal complement to our data acquisition modules of the XXCH-DAS series when currents are to be measured. The folding mechanism integrated in the robust aluminium housing ensures safe and easy installation of the sensor in everyday measurement.

- High overload protection
- Robust, anodized aluminium housing
- No additional configuration required
- Small design with practical folding mechanism

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