



Date d'édition : 06.04.2026

**Ref : 524013K**

**Sensor-CASSY en rack 3 HU**

Interface device for recording measurement data

For connection to the USB-port of a computer

3-fold electrical isolation (4-mm-inputs A and B, relay R)

Measurement possible parallel at 4-mm-inputs and sensor box connector sites (4 channels)

Up to 8 analog inputs per Sensor-CASSY retrofittable using sensor boxes

Automatic sensor box detection (plug and play) by CASSY Lab 2 (524 220)

Microprocessor-controlled with CASSY operating system (easily updatable via software for function enhancements)

Developer Information and LabVIEW™ driver available through our internet homepage

Assembled in a 3 HU module to be integrated into a power supply channel. The USB socket is located at the front side.

Technical data

5 Analog inputs  
2 Analog voltage inputs A and B on 4-mm safety sockets (electrically isolated)  
Resolution: 12 bits  
Measuring ranges:  $\pm 0.1/0.3/1/3/10/30/100/250$  V  
Measurement error:  $\pm 1$  % plus 0.5 % of range end value  
Input resistance: 1 M  
Scanning rate: up to 1 MHz per input  
Amount of measured values: nearly unlimited (dependent on PC) up to 10,000 values/s, at higher measuring rate max. 200,000 values  
Pre trigger: up to 50,000 values per input  
1 Analog current input A on 4-mm safety sockets (alternatively to voltage input A)  
Measuring ranges:  $\pm 0.03/0.1/0.3/1/3$  A  
Measurement error: voltage error plus 1 %  
Input resistance: 0.5  
Scanning rate: up to 1 MHz per input  
See voltage inputs for further data  
2 Analog inputs at sensor box connector sites A and B (All CASSY sensor boxes and sensors can be connected)  
Measuring ranges:  $\pm 0.003/0.01/0.03/0.1/0.3/1$  V  
Input resistance: 10 k  
Scanning rate: up to 500 kHz per input  
See voltage inputs for further data  
The technical data will change depending on a connected sensor box. In this case CASSY Lab 2 automatically detects the possible measurement quantities and ranges when a sensor box is attached.

4 Timer inputs with 32-bit counters at sensor box sites A and B (e.g. for BMW box, GM box or timer box)  
Counting frequency: max. 1 MHz  
Time resolution: 20 ns

1 Changeover relay (switching indication via LED)  
Range: max. 250 V / 2 A

1 Analog output (LED switching state indicator, e.g. for holding magnet or supplying experiment)  
Variable voltage range: max. 16 V / 200 mA (load 80 )

12 Digital inputs (TTL) on sensor box sites A and B (at present only used for automatic sensor box detection)

6 Digital outputs (TTL) on sensor box sites A and B (at present only used for automatic switching of a sensor box measuring range)

1 USB-port for connection to a computer

Scope of supply: 1 Sensor-CASSY 21 CASSY Lab 2 software, without activation code, with comprehensive help function (20 full-functionality sessions free, then usable as demo version) 1 USB cable  
Width: 63 PU

Import texte : janvier 2015