CORRSYS 3D
Industry & Rail Sensors AG

DAS-2AD/24V

for Acquisition of longitudinal dynamics
Designed for use with CORREVIT® RAIL Sensors

- Quick and easy mounting of the complete measurement system
- Online display of up to 3 measured variables and 5 measurement values after finishing the measurement
- 24 volt basic supply for DAS-2AD/24V and further system supply 12 volt for CORREVIT® Sensors
- Optional LED display with 3 big measurement values, free selectable
- Operating control via display
- All required hardware and software triggers are available at exact time determination (e.g. for hardware trigger 1 ms)
- Can be triggered on all channels, i.e. all channels may be used as triggers
- Measurement data can be stored on a S-RAM card up to 8 MByte for further computer processing (PC with PCMCIA-drive)
- Variable connecting options for sensors (RPM and flow meter, wheel incremental transducer, optional: acceleration sensor, pedal force sensor)
- Direct communication between PC and DAS-2AD/24V via serial interface for configuration of the measurement task, using CeCalWin Pro software.
- Most favorable price-performance ratio

Article no.:
DAS-2AD/24V14436

DAS-2AD/24V

Concept

The DAS-2AD/24V data acquisition and evaluation system ist designed for use with our proven CORREVIT® Sensors. The measured data that are recorded at the test track can be immediately evaluated during the test. The system may be applied for the following tests:

- Distance and speed
- Braking distance measurement
- Acceleration measurement
- Coast-Down-Test
- Consumption measurement
- Determination of $v_{max/min}$

The measured data may be put out directly via printer in v, s, t-steps.

The DAS-2AD/24 System can be connected to CORREVIT® Sensors and brake switch/light barrier. It is equipped with two external digital channels for coexistent connection of further external transducers and disposes of an incorporated printer.

Typical Technical Data

Inputs:	1 digital and 1 analog input for CORREVIT® Sensors 2 counter inputs, one of them switchable to counter or pulse-width or pulse sum measurement 2 switch inputs for brake switch and light barrier 2 opto coupler inputs for e.g. brake light pulses
Sampling Rates:	100 ms or 50 ms - adjustable by the user
Storage medium:	SRAM-Card 2.4 up to 8 MByte
Dimensions:	Display: 164 x 105 x 32 mm Sensor connecting box: 164 x 105 x 79 mm
Display:	Optional display of 1 to 3 measured values
Weight:	Display: 600 g Sensor connecting box: 1100 g
Temperaturbereich:	Operation: 0° to 70° C Storage: -15° to 85° C
Outputs, when L- or S-sensors are connected:	
Interface:	RS232
Memory:	SRAM-Card up to 8 MByte
Printer:	incorporated

The system may be configured via the keys of the display unit and via CeCalWin Software. The measurement data are stored onto the SRAM card. You may continously store data for approx. 5 hours when using a 8 MByte SRAM card (sampling rate of 50 ms.)

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In a continuous effort to improve our products, CORRSYS 3D Industry & Rail Sensors AG reserves the right to change specifications without prior notice.

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