



## DAS-2A

for measurement of longitudinal dynamics  
Designed for use with CORREVIT® 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
- 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)
- Most favorable price-performance ratio
- Variable connecting options for sensors (acceleration sensor, pedal force sensor, RPM and flow meter, wheel incremental transducer)
- Supply voltage for active sensors via DAS-2
- Graphical presentation and processing of the measurement data with TurboLab Signal Analysis (optional)
- Direct communication between PC and DAS-2A via serial interface for configuration of the measurement task, using CeCalWin software
- Optional simulator with digital, analog and switch function for testing the measurement configurations



<b>Art. No.:</b>	
<b>DAS-2A0</b>	<b>: 11359</b>
<b>DAS-2A4</b>	<b>: 11360</b>
<b>DAS-2A8</b>	<b>: 11361</b>
<b>DAS-2A0D</b>	<b>: 11362</b>
<b>DAS-2A4D</b>	<b>: 11363</b>
<b>DAS-2A8D</b>	<b>: 11364</b>

## Concept

The DAS-2A data acquisition and evaluation system is designed for use with our proven CORREVIT® sensors for measuring longitudinal dynamics. 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:

- Braking distance measurement
- Acceleration measurement
- Coast-Down-Test
- Consumption measurement
- Determination of  $v_{\max}$

The measured data may be put out directly via printer in v, s, t-steps or you may read the data in the Turbolab Signal Analysis program to evaluate and graphically or tabularly display the test data. If requested, we offer to develop customer-specific software for special applications to automatize evaluation of the measured data.

We offer two versions of the DAS-2A System: Either with analog channels (DAS-2A4 / DAS-2A8) or just with connection for CORREVIT® Sensors and brake switch/light barrier (DAS-2A0). Further, we offer devices with incorporated printer (DAS-2A0D, DAS-2A4D, DAS-2A8D).

## 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 4 optional analog inputs (DAS-2A4) 4 additional analog inputs (DAS-2A8)
Sampling Rates:	100 ms or 50 ms - adjustable by the user
Storage medium:	SRAM-Card up to 8 MByte
Dimensions:	Display: 164 x 105 x 32 mm Sensor connecting box: 164 x 105 x 79 mm
Display:	Can display 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:	optional

The system may be configured via the keys of the display unit and via a program. The measurement data are stored onto the SRAM card.

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In a continuous effort to improve our products, CORRSYS-DATRON reserves the right to change specifications without prior notice.

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