

# AHS ■ PRÜFTECHNIK ACCESSORIES

for all testers

## WORKSHOP-RIGHTEOUS SOLUTIONS FOR PC SYSTEMS

In each workshop, the PC system should be kept safe and protected. AHS offers alternatively a workshop-righteous PC desk or a completely moveable PC cabinet. For the storage of a notebook, a special suitcase is offered, in which a printer can be stored as well.



A check of the pedal force should be integrated in each complete brake test. All AHS testers can be upgraded with a pedal-force-meter at anytime. Optionally, there is a radio-controlled pedal-force-meter or a pedal-force-meter with PC connection available. The value is displayed digitally and is easy to read.

AHS PEDAL-FORCE-METER

## AHS 4-, 6- AND 8-CHANNEL RADIO REMOTE CONTROL FOR INDUSTRIAL PURPOSES



The AHS radio remote control for industrial purposes was developed for the special needs of a workshop. It is protected against contaminations, vibrations or damages due to drops. An easy switch to manual and single wheel mode as well as a wireless activation of data recording when using a PC system is possible.

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for car and truck testing systems

## FOR THE TESTING OF TRUCKS WITH MULTIPLE DRIVEN AXLES (RIGID POINT):

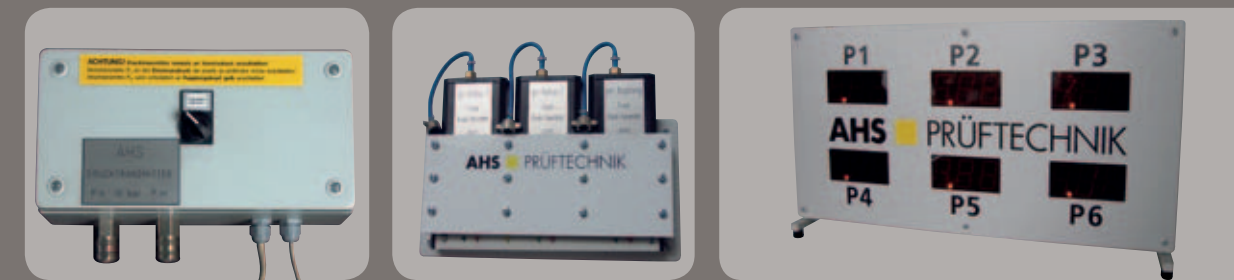
Boogie (free-running) platforms including drive-up- and drive-down ramps or installation frame - to fit at any time! (pict. right)



## FOR THE SIMULATION OF A BRAKE TEST IN LOADED CONDITION:

Load simulator consisting of two hydraulic cylinders, one hydraulic aggregate, tension belts, operation unit (pict. left)

## FOR MESUREMENT OF PNEUMATIC OR HYDRAULIC BRAKE PRESSURE



Either hose pressure transmitter (fig. left) or radio controlled pressure transmitter (fig. in the middle).

Optional: Pressure transmitter (fig. left) switchable hydraulic/pneumatic and display cabinet for brake pressure (fig. right)

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This leaflet is based on the technical knowledge of August 2008. Changes and completions may occur. We cannot take over any liability for misprints.

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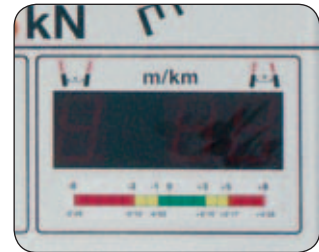
HIGH-TECH-PRODUCTS  
MADE IN GERMANY



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The luminous digital display is integrated in many cabinets



Readings can also be indicated via software PICARO II

## SIDE SLIP TESTER AT 1002 & AT 5002



A hot-galvanized installation frame guarantees proper working



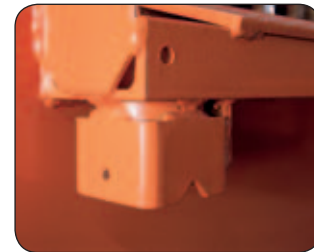
Also possible: integration in a ramp for mobile brake testers

The AHS Side Slip Tester AT 1002 for cars and the AT 5002 for cars and trucks allow a quick check of side slip without doing an expensive wheel alignment. The AT 1002/5002 is workshop righteous, reliable and easy to install. The surface of the test plate is fully plastic-corundum coated, long-living and allows the optimal power transmission. There are two possibilities:

1. In connection with an AHS roller or plate brake tester, the results of the measurement is either shown on the display of the cabinet of the brake tester or on the monitor of a PC system (via PICARO II).
2. As a single device with separate cabinet: The side slip tester can be installed either flush mount in a foundation or on floor. The big display of the cabinet is easy to read.

Standard Equipment	AT 1002	AT 5002
A fully plastic-corundum-coated test plate	✓	✓
A maintenance-free precision potentiometer	✓	✓
Alternatively ramps or installation frame	✓	✓
Control and display cabinet with signal lights and large digital display	✓	✓
Display via cabinet of brake tester or software	✓	✓
Measurements of side slip tester without ramps (L x W x H) in mm	500 x 600 x 55	1000 x 600 x 55
Measurements of control and display cabinet (L x W x D) in mm	600 x 400 x 230	600 x 400 x 230
Max. axle load limit in kg	4.000	16.000
Options	AT 1002	AT 5002
Swivelling wall mount or base column	✓	✓
Thermostat controlled cabinet heating & protective cover	✓	✓
Strip printer	✓	✓

All AHS testers are prepared for a weighbridge



Mobile model, easy to handle (DRAW Mobile)

## WHEEL- AND AXLE WEIGHBRIDGE

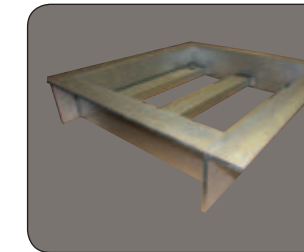
Options available for DRAW-versions: Strip printer, swivelling wall mount, base column, thermostat controlled cabinet heating, protective cover with clear area for display

Applicable for axle loads up to 20 tons!

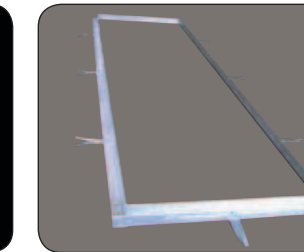
An axle weighbridge or a wheel- and axle weighbridge should be existent in each workshop. A weighbridge is essential for the correct calculation of the brake force efficiency. There are three different types available:

1. Integrated in a brake tester: All AHS roller brake testers are prepared for the installation of a weighbridge.
2. DRAW - Single device with separate control and display cabinet: Two weighbridge plates can be installed alternatively flush mount in a foundation or on floor. The measured weight is easy to read on a large digital display.
3. DRAW Mobile - Mobile single device: Equipped with two drive-on- and drive-down ramps and two compact indicator units, this machine is easy to carry, to set up and to remove.

Standard Equipment	DRAW	DRAW Mobile	Integrated in Tester
2 plates, each one with 4 scale weighting sensors	✓	✓	✓
4 (only wheel load) or eight sensors cells integrated in roller bed	-	-	✓
A maintenance-free strain gauge system	✓	✓	✓
Ramps or installation frame	✓	✓	✓
Display and control cabinet	✓	-	✓
Indicator unit	-	✓	-
Display via cabinet of brake tester or software	✓	✓	✓
Measurements plate without ramps (W x L x H) in mm	1000 x 600 x 100	600 x 350 x 90	-
Measurements cabinet (W x H x D) in mm	600 x 400 x 230	-	-
Measurements indicator unit (W x H x D) in mm	-	100 x 200 x 40	-



Installation frame for joint play detector



Edge protection frame for all testers available

## FOUNDATION DEVICES

Edge protection frames and foundation trays hot-galvanized - support for a proper foundation

For some testers, like for example side slip testers, joint play detectors or plate brake testers, installation frames are essential to ensure proper working. However, a foundation tray for roller brake testers is often advisable to ease the work of the builder, to reduce the building costs and to ensure the correct measurements. In other cases - for example when tiles are used - an edge protection frame makes sense to safe the edge of the pit.

## AHS PIT PROTECTION

Self-monitoring, maintenance-free and not to fool!

This is an important safety device. It protects health and life of the work staff from the danger caused by rotating parts (drive shafts, wheels, rollers). Nobody is allowed to be in a working pit when a vehicle is running on a roller brake tester! The AHS-G3 pit safety device protection sends 6 x parallel infrared spots from one bar to an opposite bar. If the spots meet a person or any other object in the monitored area the tester will cut off immediately. The transmitter and the receiver have an integrated, space-saving electronic, which offers assistance for installation and function control via illuminating diodes. If needed, we can deliver special lengths for extreme pit measurements or for use with a load simulator.

Standard Equipment:	
2 safety bars with integrated transmitter and receiver, fixed or swivelling about 180°, with automatic adjustment	✓
30 m cable set	✓
Automatic clearing when leaving the pit	✓
Technical Data	
Working temperature -10° C to 50° C	✓
Max. installation length: 24 m	✓
Measurements fixed model: 650 x 70 x 70 (L x W x H) in mm	✓
Measurements swivelling model: 880 x 90 x 85 (L x W x H) in mm	✓