

Garage and MOT Test Equipment Consultants & Suppliers



BAPRO – ROLLING ROAD DYNAMOMETERS
OFFICIAL DISTRIBUTORS for the UK & IRELAND

LUCASAIDE GEMS

Garage Equipment Money Savers

www.sales@lucasaide-gems.com

Date November 2019



New! November 2020 Winter Promotion

**Bapro test benches, all series (STANDARD and HIGH PERFORMANCE)
immediate advantages:**

- Improved use of the instruments already present in workshop (diagnosis equipment) lead to a shorter repair time
- Results certification increases accessories sales and tuning business (performance enhancement)
- No more risks and costs originated from classic road tests (traffic, accidents)
- Second-hand vehicles sale improvement by engine health certification
- All our car 2WD dynamometer models are upgradable to 4WD/AWD
- Easy to install, extremely easy to use, Bapro high accuracy guaranteed
- Renting for tests, events, motorsport Balance of Performance
- **All our models could be installed IN or ABOVE ground.**

Lucasaide GEMS Ltd. Branchflowers Office, Slimbridge House,
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4wd CHASSIS DYNAMOMETER BPA-4R S (Standard)d

4 - Wheel Drive Rolling Road Dynamometer BPA-4RS Standard

For installation **IN-GROUND** or

ABOVE GROUND (Drive Up Ramps required)

The **S series** comes standard with knurled rollers which provide the highest traction between rollers and tires, a guarantee of an extremely high accuracy in measurement. Especially designed for standard car workshops, test lanes; this series has lower performances than our HP (High Performance) Series, maintaining the same accuracy and balanced top level components.

Axle synchronization: Electronic linked and synchronized axles via software, made by fast and precise high frequency control of eddy current brakes to synchronize the axles in a 4wd car (Bapro's patented system). This to avoid differentials damage and to be more accurate in tests because power wasted in slippage inside the differentials is avoided too. Thanks also to this, BPA-4R S dyno is extremely easy to be installed and the maintenance is almost absent

Model BPA-4R S	(2017 updated version)
□ Roller ext. diameter	240 mm
□ Roller width	660 mm
□ Maximum speed	250 km/h
□ Maximum absorbable power	700 HP
□ Maximum measurable power	1.000 HP (Sweep Power Test)
□ Overall dimensions mm	3.130 x 4.870 x h. 360
□ Max weight per axle (kg)	2.000
□ Voltage	220 V 50 Hz

STANDARD FEATURES

- **2 Eddy currents brakes, 8 rollers knurled over the entire width**, finished by cut knurling
- **Electric adjustment of vehicle wheelbase; pneumatic vehicle lifter**, with integrated rollers lock
- **Fully functional management software**

BPA-4R S 4wd Standard dyno List Price £55,000 +vat

Special Deal GEMS Price - £45,000.00 + vat

**FINANCE. No Deposit finance from £ 226 per week
! + 59 monthly payments – subject to acceptance**

OPTIONAL ACCESSORIES

DOUBLE fan system, movable on wheels (code FS2-44)

- **Airflow** 44.000 cubic mt per hour

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- Wind speed** up to 90 km/h
- Weight** up to 90 km/h
- Motor power** 6 kW
- Power supply** 3/N/PE 400 V 50 Hz

- Dimensions (LxWxH) in mm** 1500 x 520 x 740

List Price £5.200,00 +vat

Special Deal GEMS Price - £3,500.00 + vat

SINGLE fan system, movable on wheels (code FS1-22)

- Airflow** 22.000 cubic mt per hour
- Wind speed** up to 90 km/h
- Weight** 75 kg
- Motor power** 3 kW
- Power supply** 3/N/PE 400 V 50 Hz
- Dimensions (LxWxH) in mm** 730 x 520 x 740

List Price £2.900.00 + vat

Special Deal GEMS Price - £1,750.00 + vat

OPTIONAL ACCESSORIES

- Wide band lambda system** 5 wires wide band lambda probe with controller (Requires outer meteo sensor box)
- Boost pressure input** 0÷2.5 bar relative pressure ± 0.035 bar error. (Requires outer meteo sensor box)
- Lambda Input** connect a vehicle lambda probe with an external controller (Outer meteo sensor box)

- Aluminum loading ramps** high width aluminum ramps. Necessary when test bench installed on the ground
- Computer trolley** built by heavy duty lasting steel, Pro: heavy duty, movable, wide working surface
- Proportional ventilation speed control** adjust the fan speed in function of the rollers speed
- Infrared remote control** test bench management directly from vehicle cockpit
- Roller covers** protect the rollers when the dynamometer is not working
- Personal computer and display**

- Safety Equipments:** Side safety barriers with logo panels, Anchoring ratchet

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straps, High attenuation

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