



H2-Z002R01

H2 service cart

The ServiceCart H2 supports workshop employees in all work related to hydrogen systems in vehicles. The device can perform service functions fully automatically.

- Depressurisation of the hydrogen system (low-pressure system max. 60 bar)
- Inertisation of the system with nitrogen
- Residual gas measurement to confirm that the system is hydrogen-free
- Purging with forming gas for subsequent leak tests
- Leak tests to detect leaks after service

The device can be used for hydrogen systems up to a pressure of max. 60 bar. Line systems with higher pressure must be separated by means of shut-off devices in the vehicle.



The actual product may differ slightly from the image.

Standard version

- Paint: blue-anthracite

Key features

- Gas type: H2

Advantages & functions

Electrical data:

- Electrical connecting cable: $\geq 1,5$ mm² (AWG 15)
- Cable with plug 16 A

Pressure sensors:

- Measuring range: 0 - 60 bar
- Measuring range H₂ sensor: 0 - 100 vol-% in nitrogen

Connection to the vehicle:

- 2x 5 m long wire braided hose DN8, connecting couplings to the vehicle, can be individually specified
- 1x 20 m long hose for connecting to a suitable exhaust air device or for venting the gas outside the workshop

Gas supply:

- 1x for nitrogen
- 1x for forming gas (5% H₂ in 95% N₂)
- Gases and gas cylinders are not included

Technical data

Dimensions (W x H x D)	735 x 1.440 x 880 mm
Weight	257 kg (empty)
Sound level	< 70 dB
Ambient temperature	0 to +40 °C
Storage temperature	-20 to +60 °C
Ambient moisture	< 90 % r. h. non-condensing
Protection class	IP 44
Height	2000 m max. above sea level
Operating voltage	230 V AC
Frequency	50/60 Hz

Technical drawing

