



H2-Z002R21

Mobile 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

Special features

- Gas type: H2

Advantages & functions

Electrical data:

- Electrical connecting cable: $\geq 1,5 \text{ mm}^2$ (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 DN8, connecting couplings to the vehicle, can be individually specified
- 1x connection to a suitable exhaust air device or for venting the gas outside the workshop. (Hoses not included in delivery. Hoses can be supplied by DIL0 as accessories according to customer specifications)

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)	500 x 370 x 625 mm
Weight	50 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

