

SERVICE CART H2 – H2-Z002R01

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.

Technical data:

Dimensions and weight:



Length	Width	Height	Net weight
880 mm	735 mm	1440 mm	257 kg

General technical data

Sound level	< 70 dB(A)
Paint anthracite	RAL7016 / orange RAL5015
Admissible ambient temperature	0 to 40°C
Admissible storage temperature	- 20 to + 60°C.
Admissible humidity	< 90% r. F. non-condensing
Protection class	IP 44
Max. altitude of site	2000m above sea level

Electrical connecting data

Operating voltage 1~ / N / PE 230V AC, 50/60Hz
 Connecting cable cross-section $\geq 1.5\text{mm}^2$ (AWG 15)
 Cable with 16 A plug

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

Connections 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)

Functional diagram:

