Test adapter for type 2 AC charging stations

PAN Wallboxtester PROFI

Test adapter for type 2 AC charging stations in the e-mobility sector



Type 2 plug: Direct connection to AC charging stations according to IEC 62196-2
- **4 mm safety sockets**
- **Simulation of vehicle charging states (A–D):**

Adjustable charging states according to IEC 61851-1:
- **State A:** No vehicle connected
- **State B:** Vehicle connected, not ready for charging
- **State C:** Vehicle connected, ready for charging
- **State D:** Vehicle connected, ready for charging with ventilation requirement

- **Simulation of charging currents:**

Adjustable currents: 13 A, 20 A, 32 A, 63 A
- **3 LEDs for phase indication:**

Indication of voltage presence on phases L1, L2 and L3
- **Earth test – simulation of an earth fault:** Simulates a missing protective earth conductor to check the safety response of the charging station
- **Communication test – simulation of a CP short circuit:**

Simulates a short circuit of the Control Pilot line (CP) to check fault detection
- **Socket for external loads (max. 10 A):** For connecting additional loads during the test procedure
- **Dust- and splash-proof (IP54)**

Application Benefits at a Glance:
- Tests a Type 2 wallbox without a connected electric vehicle.
- Vehicle, charging and fault states, as well as permitted charging currents from 13 to 63 A, can be selectively simulated.
- The charging station's response to protective conductor and additional test instruments.

Technical Data	PAN Wallboxtester
Weight (gross / net)	928 g
Instrument dimensions	210 x 110 x 55 mm
Measurement category (CAT)	CAT III 600 V





PAN Wallboxtester Video DE:

PAN Wallboxtester Video EN: