

professional testing equipment for PAPR after-sales service ecosystem

PAPR BATTERY TESTER

testing and maintenance of rechargeable PAPR batteries



APPLICATIONS & INDUSTRIES

- PAPR battery maintenance and periodic service
- Battery capacity assessment
- After-sales service
- Distributor and authorised service-centre operations



For PAPR
manufacturers



For use by PAPR
distributors and
service centres



DESCRIPTION

PAPR Battery Tester is a multi-channel system for testing and maintenance of rechargeable batteries used in powered air-purifying respirators. Up to 10 batteries of different models and capacities can be tested simultaneously on independent channels. Each channel can be assigned its own battery profile, operating mode and test parameters, allowing different test scenarios to be performed in parallel. The tester measures actual battery capacity and compares the result with a set threshold to determine whether the battery has passed or failed the test. The system is controlled through an Android application via Bluetooth. Once started, the test runs automatically without requiring further operator intervention.

PRINCIPLE OF OPERATION

- CONNECT BATTERIES**
Monitor and control all ten independent battery channels from one interface



DATA SHEET

SPECIFICATIONS	VALUE	UNIT
Number of independent channels	10	channels
Charge voltage per channel	Wide range,	V
Charge current per channel	tailored to	A
Maximum discharge current per channel	customer requirements	A
Mains voltage and frequency	220 /50	V / Hz
Power consumption	600	W
Overall dimensions (LxWxH), max.	400x200x200	mm
Weight, max.	7	kg
Service life, min.	10	years

TERM OF USE	VALUE	UNIT
Ambient temperature	18 to 30	°C
Atmospheric pressure	84 to 106,7	kPa
Relative humidity	10 to 80	%



SOFTWARE PLATFORM POSSIBILITIES

10-channel dashboard

Monitor and control all ten independent battery channels from one interface

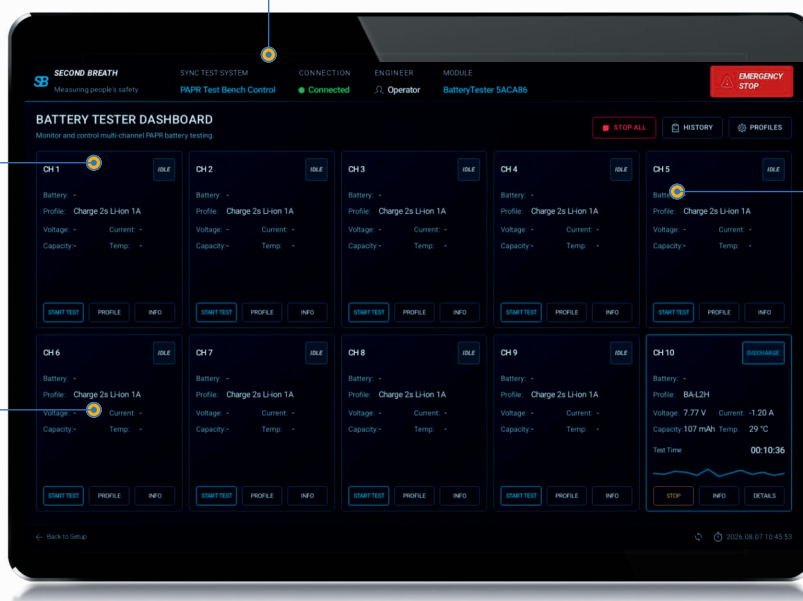
Battery profiles

Create and assign profiles for different PAPR battery models and test scenarios

User & permission management

Create operator and administrator accounts and control access to profiles, history and test settings

PDF & Excel report generation, database storage, and email sharing



Flexible test parameters

Configure charge voltage and current, discharge current, cut-off voltage, storage voltage, temperature limits and other test profile parameters

WHY PAPR BATTERY TESTER?

Add a professional battery testing solution to your PAPR portfolio and give distributors and service centres the tools they need for reliable after-sales maintenance.

BUILT FOR EFFICIENT DAILY SERVICE

1. High-Productivity Multi-Model

TestingTest up to 10 batteries simultaneously, including different battery models, with each channel running its own configurable profile based on the battery specifications.

2. Consistent Test Procedures

Saved battery profiles eliminate repeated parameter setup for unchanged test scenarios

3. Less Operator Workload

Automated test cycles minimise manual involvement once testing has started.

4. Compact & Portable Design

Compact case-format equipment is easy to place on a service bench, move between work areas and integrate into existing service environments.

SERVICE



OEM BRANDING



ADAPTATION TO OEM SPECIFICATIONS



TRAINING OF THE CUSTOMER'S STAFF



WARRANTY from 12 months

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