CPX-900

THE NEW HANDS-ON BATTERY AND SYSTEM ANALYZER

The EXP-1000 is a complete and expandable diagnostic tool for performing more comprehensive diagnostics that allow you to identify battery related problem causes. Test batteries, electrical systems, and batteries under charge.

Optionally expand for diagnosing the voltage lost through cables, and test board-level components to learn more about the cause of battery problems you run into.

1. Hook up the tester to the battery
2. The voltage shows in the lower left corner of the tester display
3. Select the test you would like to perform: CAR, NEW BATTERY*, MOTORCYLCE, TRUCK
4. Give in the test parameters such as test location, vehicle type and battery type, standard, Ampere-hour and CCA rating.
5. Measure the battery temperature with the tester.
6. Perform test
7. View the results

⚡ **Instant voltage reader at startup**	🗂 **Data card slot for software upgrades**
🔋 **Bad cell detection**	💬 **26 languages software and manual**
⇄ **Reverse polarity protection**	🚚 **HD version for heavy duty application**
🔌 **Field replacable cables**	**Ah** **Ah data insertion for more accurate tests**

NEW

AH AS NEW BATTERY TESTING INPUT

More battery data points lead to greater diagnostic decisiveness and the identification of bad batteries before customers encounter a no-start situation.
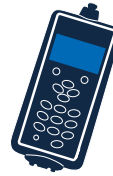
When comparing the diagnosis of a 40 and 100 ampere hours (Ah) battery a deviation between the rated and measured CCA of 50 amps has different impacts. The deviation is relatively less relevant as batteries get bigger.

Midtronics added Ah as an input parameter to the CPX-900 battery and system analyser for greater decisiveness and identifying bad batteries before they breakdown.

MIDTRONICS **Advancing Battery Management**

CPX-900

FEATURE	EXP-1000 (HD)	CPX-900	DSS-5000
CONDUCTANCE PROFILING™ Diagnose reserve capacity issues and achieve ±50% reduction in CHARGE&RETEST decisions	NO	YES	YES
WI-FI AND BLUETOOTH - Supports connectivity to Midtronics Battery Management Information System (BMIS) and our Next-Gen tools. It supports over-the-air updates and data transfer.	NO	B/G/N Wi-Fi, Bluetooth	B/G/N Wi-Fi, Bluetooth
CVG - VIN CAPTURE SUPPORT	NO	NO	Optional
CAMERA Used for barcode VIN capture. Camera can capture 1D and 2D.	NO	Optional barcode	YES
OPERATING SYSTEM	EMBEDDED	EMBEDDED	ANDROID
STOP-START BATTERY TEST	NO	YES	YES
SYSTEM TEST	YES	YES	YES
HEAVY DUTY TESTING	Optional	YES	Optional
CLAMPS	Mueller	Power sports	Power sports
FIELD-REPLACEABLE TEST LEADS	YES	YES	YES
TEMPERATURE SENSOR	YES	YES	YES
INTEGRATED PRINTER	NO	Optional	Optional
AMP CLAMP SUPPORT	YES	NO	Optional
DMM MODE	YES	NO	YES
RECHARGEABLE BATTERIES	NO	NO	YES
STANDALONE The tool is also useable as a standalone tool (no requirement for WiFi in workshop).	YES	YES	YES
BATTERY TYPES What battery types can be tested with the standard tool.	Regular, AGM, Spiral, GEL,	Regular (flooded), EFB, AGM (flatplate and spiral), GEL	Regular (flooded), EFB, AGM (flatplate and spiral), GEL
CABLE LENGTH IN METERS	4,5m	1,2m	0,9m
LANGUAGES	24	24	26

MIDTRONICS *Advancing Battery Management*