

	AA300	AA350	AA400	AA500P†
DESCRIPTION	Digital Battery Analyzer for basic battery and system testing	Digital Battery Analyzer for automotive and heavy duty battery testing	Advanced Battery and System Analyzer for service professionals	Advanced Battery and System Analyzer for service professionals
TECHNOLOGY				
LPR tests	Yes	Yes	Yes	Yes
CrankCheck tests	Yes	No	Yes	Yes
Alternator tests	Voltage and diode ripple	Voltage only	Voltage and diode ripple	Voltage and diode ripple
OPERATING PARAMETERS				
Nominal battery voltage	6V or 12V	6V or 12V	6V or 12V**	6V or 12V**
Input voltage range	5 – 16VDC	5 – 16VDC	5 – 16VDC	5 – 16VDC
Operating temp	-10C to 60C	-10C to 60C	-10C to 60C	-10C to 60C
Battery size testing range	30-2000 CCA	30-2000 CCA	30-2000 CCA	30-2000 CCA
Test clamps	Dual contact clamps, dual conductors	Dual contact clamps, dual conductors	Dual contact clamps, dual conductors	Dual contact clamps, dual conductors
Test time	<1 second	<1 second	<1 second	<1 second
Safety standards	CE	CE	CE	CE
Post test review of data	Yes	Yes	Yes	Yes
Warranty	2 years	2 years	3 years	3 years
DISPLAY AND INTERFACE				
Buttons	Two	Three	Three	Three
Display type	LCD w/ backlight	LCD w/ backlight	LCD w/ backlight	LCD w/ backlight
Display information	Digital, graphical, icons	Digital, graphical, icons	Digital, graphical, icons	Digital, graphical, icons
Port for optional printer	No	No	No	Yes† (AATPR10)
BASIC BATTERY AND SYSTEM DIAGNOSTICS				
State of charge (SoC)*	Graph and %	Graph and %	Graph and %	Graph and %
Bad cell detection	Yes	Yes	Yes	Yes
Volt meter mode	Yes	Yes	Yes	Yes
Reverse wiring protection	Yes	Yes	Yes	Yes
Battery pass/fail indication	Icon, audible	Icon, audible	Icon, audible	Icon, audible
LPR™ BATTERY LIFE DIAGNOSTICS				
CCA test (Large Pulse Resistance)	Yes	Yes	Yes	Yes
Battery norms supported	SAE, EN, DIN, IEC	SAE, EN, DIN, IEC	SAE, EN, DIN, IEC	SAE, EN, DIN, IEC
Battery types tested	WET/MF, VRLA/AGM	WET/MF, VRLA/AGM	WET/MF, VRLA/AGM	WET/MF, VRLA/AGM
Present capacity (CCA, A)	Yes	Yes	Yes	Yes
Remaining battery life % analysis*	No	Yes	Yes	Yes
Battery life warning indicator/alarm*	No	Yes	Yes	Yes
Battery internal resistance value	No	No	No	Yes
Battery Siemens value	No	No	No	Yes
Test discharged batteries	No	Yes	Yes	Yes
Temperature compensation	No	Automatic, continuous	Automatic, continuous	Automatic, continuous
CRANKCHECK™ STARTING SYSTEM DIAGNOSTICS				
Starting system analysis	Graph and %	No	Graph and %	Graph and %
Measurement mode	Real time, engine load	No	Real time, engine load	Real time, engine load
Low voltage capture	Yes	No	Yes	Yes
Crank performance warning indicator	Yes	No	Yes	Yes
CHARGING SYSTEM DIAGNOSTICS				
Alternator pass/fail indication	Yes	No	Yes	Yes
Alternator voltage	Yes	Yes	Yes	Yes
Diode ripple test	Yes	No	Yes	Yes
Over/under-charging indication	Yes	No	Yes	Yes
PHYSICAL SPECIFICATIONS				
Dimensions	17.1 x 7.9 x 2.5cm	17.1 x 7.9 x 2.5cm	17.1 x 7.9 x 2.5cm	17.1 x 7.9 x 2.5cm
Weight	260g	260g	260g	260g
Housing	ABS plastic (IEC 68-2-32)	ABS plastic (IEC 68-2-32)	ABS plastic (IEC 68-2-32)	ABS plastic (IEC 68-2-32)
Protective case	None	Ballistic™ Nylon	Ballistic™ Nylon	Ballistic™ Nylon

*12V nominal batteries only ** Can be used to test 24V systems

† AA500P and the AATPR10 thermal printer available as a combined system, Model No. AA500PWP



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