



*"Partners In Production"*

# Automated Test Equipment (ATE) Mobile Cycle Tester

The API Alliance Mobile Cycle Tester is a stand alone, cycle testing unit that is small, lightweight and portable. This product offers robust possibilities for field testing, or anywhere needed in your lab or production floor. Optional WiFi and Bluetooth functionality allow for Smartphone or tablet integration and remote reporting possibilities. This device allows production support engineers or production personnel to test products wherever they are.

The Mobile Cycle tester is driven by the API Alliance RMP 300, a powerful controller which utilizes a System on Module (SoM) running .NET Micro Framework. This enables users to program the SoM from Microsoft's Visual Studio using C# or Visual Basic and allows developers to take advantage of the extensive built-in libraries for networking, file systems, graphical interfaces, and peripherals. The RMP 300 includes 16 Mbytes of RAM, 4.5 Mbytes of Flash, embedded LCD Controller, USB host/device with drivers, 4 bit SD card interface. It includes many essential peripherals such as GPIO, SPI, UART, 12C, CAN, ADC and PWM Ethernet and WiFi. It also supports Visual C# and Visual Basic Programming.

If you prefer, the API team will develop a specific test application to meet your testing needs.

### Where to use

- ▶ Production Floor
- ▶ Test Lab
- ▶ On Site/Field Testing
- ▶ Customer Sites
- ▶ Service Calls
- ▶ Sales Demos

### Features

- ▶ Realtime clock with battery backup
- ▶ SD storage
- ▶ USB host
- ▶ Ethernet
- ▶ USB device
- ▶ 7 inch touchscreen
- ▶ Dimensions: 16" x 8.375" x 8.25"



### Specifications

Processor:	120 MHz 32-bit ARM Cortex-M3
System Platform:	.Net Micro Framework
User Available Flash:	2.87 MB
User Available RAM:	13.67 MB
UART:	5
SPI:	3
12C:	Yes
Networking:	Ethernet TCP/IP, WiFi, and SSL
CAN:	2
Analog Out:	1
USB Device:	1
USB Host:	1
1-Wire:	Yes
Real Time Clock:	1
In-Field Update:	Yes
Native LCD Controller:	Yes
Supported Image Type:	BMP, GIF, JPG
Memory Cards:	Yes
File System:	FAT16/FAT32
Power Consumption:	
Operation Temp.:	-40° C to +85° C
Graphics with Touch Screen Display:	Optional as RMP350