



Mixmaster 12-Channel Automotive Signal Mixer

With the Mixmaster 12-channel automotive signal mixer you can view an ignition parade display of up to 12 cylinders on any lab scope.

Mixmaster can produce a parade display of up to 12 cylinders using a single channel of your lab scope. If you have a 2-channel scope, then Mixmaster can also display 2 engine banks separately with up to 6 cylinders per bank.

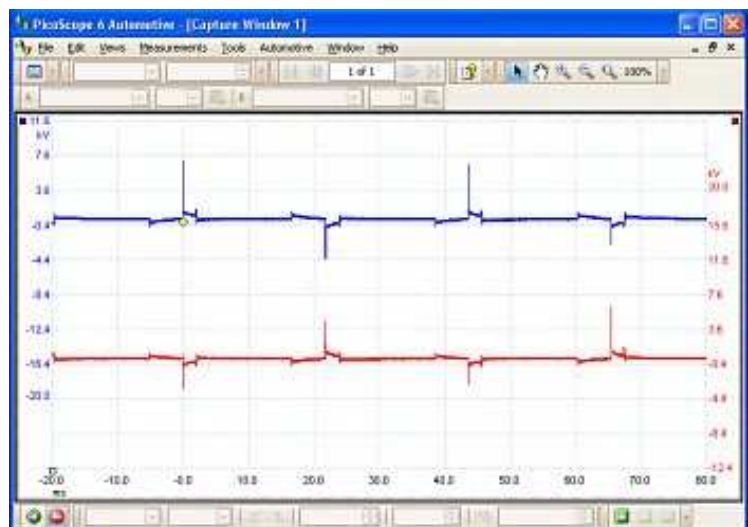
Mixmaster includes a trigger output, derived from one of the 12 input signals, which can be used to synchronise the scope to a known cylinder. Additionally, Mixmaster features a simple switch so you can invert a bank of signals to deal with negative-going signals on waste-spark systems.

Designed for use with the [Automotive Oscilloscope Kit](#), Mixmaster can also be used on virtually any other lab scope, and can be used on both DIS and distributor ignition systems.



Mixmaster is battery powered and includes a low-battery indicator. The shockproof rubber case makes Mixmaster suitable for heavy-duty workshop use and incorporates a handy stand to make it easier to use.

Mixmaster is supplied with 3 BNC leads to connect to the oscilloscope, an engine-block ground lead, and a set of 4 short secondary ignition leads. Additional packs of secondary ignition leads can be purchased separately.



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 off Ignition parade waveforms from a wasted spark ignition system

Mixmaster is a cost-effective way to display parade ignition waveforms on your lab scope. Compact and battery powered, it is ideal for mobile automotive diagnostics, and makes a valuable and inexpensive addition to your tool kit.

Specifications

Product	Mixmaster 12-Channel Ignition Signal Mixer
Analog bandwidth	170 kHz
Bank A and B inputs	12 x BNC female 91 kΩ resistance -2 V to +2 V (operating) -4 V to +4 V (absolute maximum)
Oscilloscope outputs Output level	3 x BNC female -2 to +2 V
Environment limits: Operating temperature Operating humidity Storage temperature Storage humidity	0 °C to 45 °C 5% to 80% RH, non-condensing -20 °C to +60 °C 5% to 95% RH, non-condensing
Power supply	9 volt PP3 battery
Battery life	48 hours approximately (power on, idle)
Dimensions	221 x 115 x 58 mm (8.7 x 4.5 x 2.3 in) including rubber case

Secondary Ignition Pickups

A pack of 4 secondary ignition pickups is available for use with Mixmaster. Each lead is approximately 40 cm / 15 in long. These leads do not include an earth clip. If required, the longer [PP178 Secondary Ignition Pickup](#) can also be used.



Mixmaster secondary ignition pickup