

## TEST EQUIPMENT DIVISION

### S300-1 COMMON RAIL INJECTOR SYSTEM



The MERLIN S300-1 is a single unit designed to test both electro-hydraulic and piezo type injectors.

With common rail injectors the duration of the applied pulse along with the rail pressure, determines the amount of fuel injected into the cylinder.

The S300-1 can generate pulses suitable to drive piezo injectors as well as conventional solenoid types. The duration of the pulse as well as the repetition rate can be adjusted to simulate a range of operating conditions.

When used in conjunction with a Merlin S425A or S400A injector tester, a common rail injector can be operated sufficiently to observe the nozzle spray pattern and measure the back-leak time.

The S300-1 is designed to operate the Bosch, Delphi, Denso and Siemens series of automotive common rail injectors and the marine version some L'Orange applications.

#### Specification details:

Injector excitation voltage: 85 - 135v dc  
Pulsewidth range: 0.5 - 3.0ms  
Repetition rate: 0.75 - 14Hz  
Injector type selection: Via front panel control  
Fault detection: Injector short circuit, injector open circuit, incorrect injector type connected.  
No calibration required.

Supplied complete with electrical mains cable and a connection cable with 4 adaptor cables to suit Bosch, Denso, Delphi, Piezo and General Purpose applications.

Shipping details: L21 x W30 x H15cm Weight: 10kg



MERLIN S400A