

Extended Operating Time Test

The Extended Operation Time Test of IMAK tests electronic airbag control units in flashed condition. The device checks electrical connections and the functionality of the resistors.

The Extended Operation Time Test is designed in modules and has a support frame, which can accommodate three changeable contacting modules with 3 test fixtures. The test procedure begins with a position check and a check of the locking. Depending on the test pieces, the test lasts 8 to 10 seconds.

The test system features an industrial PC which initiates the final test with a specially developed and customized IO PIO box. For communication between the control units and test software specially flashed and application-oriented CAN-BUS cards are used.

The Extended Operation Time Test can be equipped with a power supply of either 240 V or 120 V AC, which is protected by a 19" emergency stop box of IMAK. The power supply of the test pieces with 14 V is provided by a separate power supply.

Basic setup

The Extended Operation Time Test features 9 test fixtures in the standard version, which are rapidly convertible for the test of different specimen. In the standard version contacting and fixing of the specimen takes place mechanically.

Dimensions in mm (WxHxD)

1200 x 1600 x 1200

Voltage

240 V/120 V AC test device

12 - 14 V AC specimen

Weight

235 kg

Cycle time

8 - 10 s in the middle

Variable, depending on test piece and test specifications

Sensors

Optoelectronic sensors

Safety technology

Exchangeable emergency stop box



Extended Operating Time Test – single test



Extended Operating Time Test – test fixtures