UNIPART

Performance in motion

Sparta

Standardised **P**ortable **A**utomatic **R**elay **T**est **A**pparatus

Allows preliminary on-site testing of BR930 relays

Sparta is a relay Portable Test Unit designed to allow preliminary testing of a wide range of BR930 line and track signalling relays.

It provides the Signalling Engineer with the ability to confirm the basic condition of a relay before it is inserted into the circuit. It also assists in establishing the root cause of signalling failures prior to replacing relays.

Input of the data for the relay under test is via a large touch screen LCD. The test status and results are provided via the LCD and automatically stored to the **Sparta** internal memory. The contents of the memory can also be exported via a USB port.

Sparta is enclosed in a durable, watertight, strong resin IP65 enclosure and powered from an internal rechargeable battery. The external battery charger operates from voltage supplies in the range of 110Vac to 240Vac.

Features

- Battery powered
- Portable
- Lightweight
- Rugged
- Provides a record of On-site testing
- Data input and display by touch screen LCD
- Relay data and serial number stored internally
- Test data accessible via USB port
- Wide ranging power supply input
- PDF document of test performed

Relays Tested	BR930 Series Line Relays (24Vdc and 50 Vdc) Track Relays
User Input Data	Catalogue Number, Serial No: Pass/Fail threshold default 1ohm settable to 10/15/20 ohms
Contact Conditioning	12v @ 40mA x 10 cycles
Tests performed	Self test Confirmation of relay configuration against catalogue number (PIN Code) Individual Contact Resistance
Stored Data	Test Engineer, Date, temperature, serial No., Part No., Contact Configuration, Contact Resistance, Pass/Fail
Enclosure Size	426mm x 290mm x 159mm (L x W x D)
Weight	11.1kg
Internal Battery	Rechargeable Li-Ion 5.2Ah
Battery Autonomy	10hrs / 250 relay tests
Battery Charger Input Power	110Vac to 240Vac 50Hz 1ph

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