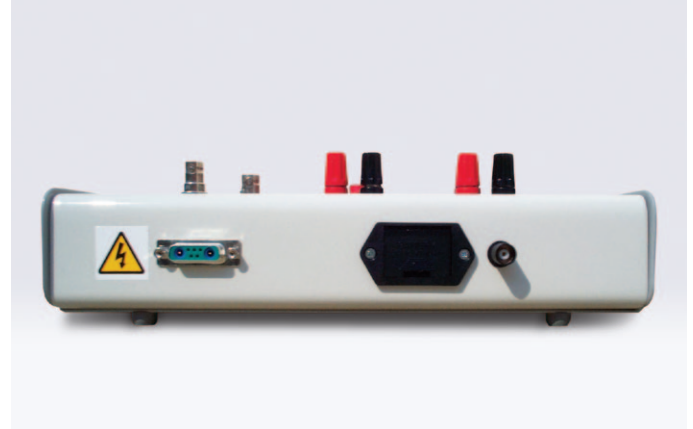


ASY0780 H.V. CALIBRATION MODULE

Calibration



The H.V. calibration module ASY0780 is designed to assist in the calibration and acceptance of ART's RT900 hipot and insulation resistance test system. Provides H.V monitoring, leakage current and breakdown pulse simulation.

Key Features

- Easy to use
- Supplied with interface cables and user manual
- Provides breakdown pulse simulation
- Leakage current generator
- Separate attenuated high voltage monitor outputs for oscilloscope and meter use
- Powered from standard 9 Volt (PP3) battery
- Connects to standard 5 1/2 digit multimeter
- Low voltage interlock switch
- Uses industry standard connections
- Rugged construction

Overview

The high voltage (H.V.) calibration module ASY0780 complements and provides a convenient tool to greatly reduce set up times when performing high voltage PSU and detector calibration and verification of the RT900 high voltage test system.

To assist with the breakdown detector functional verification, the unit incorporates a precision pulse generator with configurable pulse widths and amplitudes. A leakage current generator is also included to confirm the correct operation of the system's insulation resistance measurements.

The unit is shipped with all the cabling that is required to perform the acceptance procedure which is fully documented in the accompanying user manual.

Pulse output	1 or 4 Volt, 100 or 400 us, 100 or 10k Ohm
H.V. monitor meter output	100:1, 10 M Ohm, 4 mm terminals
H.V. monitor oscilloscope output	1000:1, 1 M Ohm, BNC
Power source	PP3 9 Volt battery
Dimensions	285 x 225 x 75 mm (11.2" x 8.8" x 3")
Weight	2.5 kg (5.5 lbs)

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Product Features

Easy to follow procedure

The supplied manual provides a detailed step by step description of the use of the unit during the RT900 acceptance procedure for use by a suitably trained technician or engineer.

Pulse generator

The battery powered pulse generator uses toggle switches to select a range of varying pulse widths and amplitudes for use with the test system detector checks.

Leakage current generator

The internal battery powers a leakage current generator which may be used to confirm the correct operation of the high voltage test system detector.

Calibration

The supplied documentation provides details of the procedure for calibration and functional verification of ART's RT900 test system. Please note that the calibration process also requires the use of a precision voltmeter.

Signal quality

The earth bonded all-steel construction provides a high level of screening. Additionally all parametric signals are fully screened to optimise signal quality in electrically noisy environments.

Low maintenance

High quality switches and sturdy construction ensure maximum durability. Rubber feet prevent damage to work surface and reduce slipping.

Portable

A single ASY0780 unit can be shared between many systems across the shop floor with minimum inconvenience.

Interface cables

The unit is supplied with all the necessary cables required to connect to the ART H.V. test system to perform a system acceptance procedure.

Items supplied

- ASY0780 H.V. calibration module
- ASY0783 RT900-ASY0780 interlock lead
- ASY0785 MHV-SHV interlock cable
- ASY0786 User manual
- ASY0787 RT900 front panel test lead
- ASY0788 SHV shorting plug
- ASY0791 Tyco AMP CPC L.V. interlock cable
- 4 mm plug to BNC adaptor

