

# SD 300

UL LISTED SAFE DISCHARGE UNIT



The unique failsafe design of the SD300 incorporates a two-handed push button operation to initiate and maintain the energy discharge, ensuring that the operator cannot come into contact with the live circuit. In addition, the operator is totally isolated from the discharged energy by a fully insulated and robust instrument case rated at IP66.

The totally self contained instrument comes complete with fully shrouded fused test leads and includes an inbuilt test lead and fuse proving facility. Other safety features include an automatic pre-use self test, protection against prolonged connection to live operating circuits and monitoring of critical component temperatures with automatic cut off.

As the first instrument of its type the SD300 provides an innovative and highly effective solution for the safe discharge of electrically charged equipment – protecting the operator from danger and the equipment under test from potential damage.

## Key Features

### ■ Unique failsafe design

Multiple safety interlocks inhibit discharge if the capacitors are not electrically isolated.

### ■ UL Listed

The SD300 is Listed by Underwriters Laboratories Inc.

### ■ Electrical isolation between probes.

All test leads and probes are electrically isolated to avoid sparking during connection/disconnection.

### ■ Two handed operation

Both hands are needed to initiate and maintain discharge ensuring the operator does not come into contact with hazardous parts.

### ■ Self test facility.

All discharge meters and indicators, test leads and test lead fuses are tested using the in-built proving facility.

### ■ Rugged drop proof enclosure.

High impact resistance, IP66 enclosure designed to withstand the roughest of working environments.

## SD 300 SPECIFICATIONS

### SPECIFICATIONS

Maximum voltage	1000V DC
Maximum capacitance	1200uF
Discharge time	30s nominal @1000V/1200uF
Safety Interlock	Discharge inhibited if >40V AC between test probes
Indicators	Centre-zero panel meters and LED indicators
Test leads	3 x 4m fully shrouded with fused probes.
IP Rating	IP66 (Case closed) IP40 (Case open)
Power Supply	3 x PP3 alkaline (main unit) 1 x MN21 alkaline (proving)
Dimensions (mm)	339(w) x 295 (d) x152 (h)
Weight	4kg
Approvals	UL Listed

Part No: 357A910



WORLD LEADERS IN SAFETY TEST AND MEASUREMENT

Seaward test and measurement companies include:

**CLARE**  
INDUSTRIAL SAFETY INSTRUMENTS

**RIGEL**  
MEDICAL

**CROPICO**  
PRECISION INSTRUMENTS

**SEAWARD**  
PORTABLE ELECTRICAL SAFETY INSTRUMENTS