5069 INSCAL Insulation Tester Calibration System

- **Insulation resistance from 100KΩ to 100GΩ**
- **Basic accuracy 1%**
- **10,000V max**
- **Battery operation**
- **Continuous connection - no arcing**
- **Fully shrouded safety connectors**
- **Display of open circuit voltage (0 - 2kV or 0 - 10kV)**
- **Display of short circuit current (0 - 2mA or 0 - 20mA)**

The 5069 is a precision instrument suitable for calibrating and testing general purpose insulation testers with test voltages up to 10kV.

It is constructed in a high strength co-polymer plastic case and is powered by a rechargeable battery. This ensures full isolation from the mains and prevents stray leakage. The insulation tester being calibrated can be tested for open circuit voltage and short circuit current. These are displayed on the digital meter mounted on the front panel. The insulation resistance is provided by a precision 4 dial decade resistance bank which can be set to a maximum of 99.99GΩ with additional resistance values of 100KΩ, 200KΩ, 500KΩ, 1MΩ, 2MΩ and 5MΩ which can be switched in as required.

The 5069 is constructed in the same style as Time Electronics' well established 5080 PatCal but is suitable for use up to 10kV.

SPECIFICATION:

Resistance (Ohms):	9x10G, 9x1G, 9x100M, 9x10M plus 5M, 2M, 1M, 500K, 200K, or 100K
Resistance accuracy:	100K - 5M, 1%, 10M to 10G, 1%. 10G to 100G, 5%
Resistance temp coeff:	Less than 250ppm per degC
Open circuit voltage measure:	0 to 2kV range, 0 to 10kV range, both ranges 1% of f/s accuracy
Voltage display:	1.999kV full scale, and 10.00kV full scale
Short circuit current measure:	0 to 2mA range, 0 to 20mA range, both ranges 1% of f/s accuracy
Current display:	1.999mA full scale, and 19.99mA full scale
Power:	Internal battery, 6V re-chargeable NiCad, >500hrs between charges
Dimensions:	380mm x 254mm x 132mm 2.8Kg
Accessories:	Safety connection plugs/leads with bare ends to allow custom fitted connectors Mains battery re-charger (230V 50Hz)