



2967

Temperature Controller for Test Cells 2914 & 2903



GENERAL

This temperature control unit is used to heat and to control the desired temperature of the solid insulants test cell, type 2914, and of the liquid (oil) test cell, type 2903. The temperature is set and adjusted digitally in the range of 0 – 300°C.

The control unit consists of two independent temperature regulators.

For use with the type 2903 test cell, set the desired temperature on the left-hand regulator. The unit on the right remains inoperative.

When used with the type 2914 test cell, both regulators must be set. The left hand regulator controls the temperature of the high voltage electrode, while the right-hand unit controls the measurement electrode.

The regulation temperature is shown in the small lower digital display and can be set by means of the UP and DOWN keys. The actual temperature is shown on the large upper display.

The temperature control unit is programmed for both type 2903 and type 2914 test cells. This is accomplished via the PROG and SET keys, which should not be used in normal operation. If one of these keys is pressed by accident, the unit will automatically return to its previous state after 30 seconds.

TECHNICAL SPECIFICATIONS

Error Limits

Temperature error:
0.3% f.s.d. ± 1 least significant digit
Temperature drift:
0.01 % f.s.d. per °C

Power Ratings

With solid test cell, type 2914:
2 x 630 W = 1260 W
With oil test cell, type 2903:
1 x 300 W + 1 x 150 W = 450 W

Power supply:

115/230 VAC, 50/60 Hz.
The type 2967 temperature control unit adapts automatically to line voltages from 48 to 240 VAC. The test cells, however, are only available with fixed voltage ratings of 115 or 230 VAC.

Dimensions W x H x D:

500 x 200 x 230mm (19.7" x 7.9" x 9.1")
Weight: 6.5kg (15 lbs)

APPLICATIONS

- As temperature controller for 2914 (test cell for solid insulants)
- As temperature controller for 2903 (test cell for liquid insulants)

SCOPE OF SUPPLY

Temperature Controller type 2967, Power Cable 10 A

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