

## 5725A

Amplifier

### General Specifications

**Warm-Up time:** 2 X the time since last warmed up, to a maximum of 30 minutes.

**System installation:** Rear output configuration and rack-mount kit available.

**Standard interfaces:** IEEE-488, RS-232, 5725A, 5205A or 5215A, 5220A, phase lock in (BNC), phase reference out (BNC).

**Temperature performance:** Operating: 0 °C to 50 °C. Calibration: 15 °C to 35 °C. Storage: -40 °C to 75 °C.

**Relative humidity:** Operating: <80 % to 30 °C, <70 % to 40 °C, <40 % to 50 °C. Storage: <95 %, non-condensing.

**Safety:** Designed to comply with UL1244 (1987); IEC 348-1978; IEC 66E (CO) 4; CSA 556B.

**Guard isolation:** 20 volts

**EMI/RFI:** Designed to comply with FCC Rules Part 15, Subpart J, Class B; VDE 0871, Class B.

**Reliability:** MIL-T-28800D, para. 3.13.3.

**Line Power:** 47 to 63 Hz;  $\pm 10$  % allowed about selectable nominal line voltage: 100V, 110V, 115V, 120V, 200V, 220V, 230V, 240V. Maximum power: 5700A, 300 VA; 5725A, 750 VA.

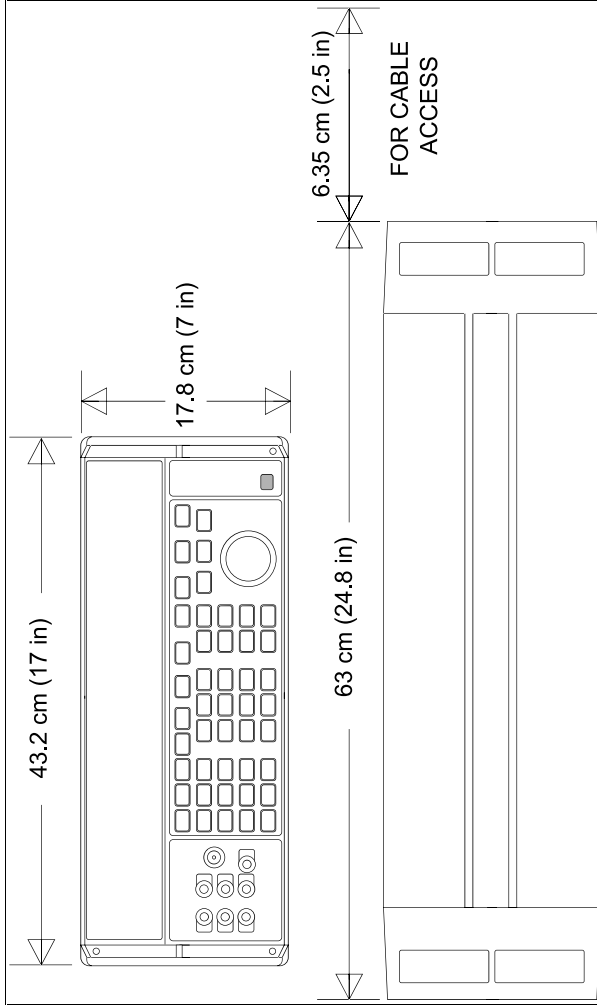
**Electromagnetic Compatibility:** This instrument is designed to operate in Standards Laboratory environments where in electromagnetic is highly controlled. If used in areas with RF fields >0.78 V/m there could be errors in measurements.

**Size:**

5700A: Height 17.8 cm (7 in), standard rack increment, plus 1.5 cm (0.6 in) for feet; Width 43.2 cm (17 in), standard rack width; Depth 63.0 cm (24.8 in), overall; 57.8 cm (22.7 in), rack depth.

5725A: Height 13.3 cm, (5.25 in); Width and depth same as 5700A. Both units project 5.1 cm, (2 in) from rack front.

**Weight:** 5700A: 27 kg (62 lbs); 5725A: 32 kg (70 lbs).



**Figure 1. 5700A Dimensions**