

Features:

The YE2730A piezoelectric d33 Meter is a special instrument for directly measuring the piezoelectric constant d33 values of piezoelectric ceramics, polymers, and single crystals. This meter can also measure the d33 values in various single crystal directions for crystals such as lithium niobate, quartz, and tourmaline. This meter is capable of measuring the d33 value over a very large range, at high resolution, and with a high degree of reliability.



- 3½ LED display d33 and polarity;
- Include measure instrument & force driver;

Specification

| | | |
|----------------------|---|--|
| d33 Range | 10 to 2000pC/N (×1 range); 1 to 200pC/N (×0.1 range) | |
| Accuracy: | ×1 range | ±2% of the d33 value in 100 to 2000 pC/N |
| | | ±5% of the d33 value in 10 to 200 pC/N |
| | ×0.1 range | ±2% of the d33 value in 10 to 200 pC/N |
| | | ±5% of the d33 value in 1 to 20 pC/N |
| Resolution | ×1 range | 1pC/N |
| | ×0.1 range | 0.1pC/N |
| Force: Frequency | DC to 110Hz | |
| Force: Amplitude | 0.25N | |
| Polarity indication: | Indicates polarity on upper face of test element in compression. (- sign means negative, no sign positive) | |
| Temperature | Operating: 0°C to +40°C; Storage: -55°C to +85°C | |
| Humidity | 85%R.H.Max. | |
| Dimensions | Force Head: Φ110mm×140mm (H) | |
| | Chassis: 220mm (W) × 90mm (H)×280mm (D) | |
| Weight | Force Head: about 3Kg; Chassis: about 2Kg | |
| Power Supply | AC220V±10%50Hz0.2A/AC110V±10%60Hz0.3A (Selectable on the rear panel) | |
| Accessories | Connecting cables: 2; Power cable:1; Standard sample: 1 | |