



Piezoelectric Constant (d33) Calibrator

Model: YE2730A

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;



d33 Range	10 to 2000pC/N ($\times 1$ range) ; 1 to 200pC/N ($\times 0.1$ range)	
Accuracy:	$\times 1$ range	$\pm 2\%$ of the d33 value in 100 to 2000 pC/N
		$\pm 5\%$ of the d33 value in 10 to 200 pC/N
	$\times 0.1$ range	$\pm 2\%$ of the d33 value in 10 to 200 pC/N
		$\pm 5\%$ of the d33 value in 1 to 20 pC/N
Resolution	$\times 1$ range	1pC/N
	$\times 0.1$ 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 : $\Phi 110\text{mm} \times 140\text{mm}$ (H)	
	Chassis : 220mm (W) \times 90mm (H) \times 280mm (D)	
Weight	Force Head: about 3Kg; Chassis: about 2Kg	
Power Supply	AC220V $\pm 10\%$ 50Hz0.2A/AC110V $\pm 10\%$ 60Hz0.3A (Selectable on the rear panel)	
Accessories	Connecting cables : 2; Power cable:1; Standard sample : 1	