Metrix+™
Innovative Excellence

DIGITAL STROBOSCOPE

DT 2239

12,000 FPM

Measuring principle

This instrument consists of a flashtube which produces brief repetitive flashes of light. Usually the rate of the stroboscope is adjustable to different frequencies. When a rotating or vibrating object is observed with the stroboscope at its vibration frequency (or a submultiple of it), it appears stationary. Thus, stroboscopes are also used to measure frequency.



Applications

This is used to provide image of single, two or multiple stillness for the vibrating object, rapidly rolling or a periodic motion object and can also observe movement tracks. Machine parts and vibrating string are common examples

Features

- Automatic stop flashing to increase flashtube lifetime.
- Internal/external triggering and x2 / /2 button for fast adjustment.
- Uses photoelectric signal for external triggering, achieves automatic tracking function of the pattern.

Technical Specifications

Model	*Metrix*+ DT 2239
Display	10mm 5-digits LCD
Measurement range	50 ~ 12,000FPM
Accuracy	±(0.05%n + 1d)
Resolution	0.1FPM(50 ~ 999.9FPM), 1FPM(over 1000FPM)
Sampling time	0.3 sec
External trigger level	3 ~ 24V with x2, /2 for fast check
H/L range	Flashing light is much brighter at low range than at high range
Flash tube life	100 million times
Regular operating conditions	No corrosive gas and electromagnetic fields
Operating conditions	Temperature : 0 ~ 40°C, Humidity : <85% RH
Power supply	AC 220V
Power consumption	About 50W
Size and weight	215 x 85 x 180mm, about 1kg
Standard accessories	Main unit, adapter, manual, hard carry case.

Model and Specifications subject to change without notice.