Digital Microprocessor Stroboscopes

Deluxe Strobe
- 6 user programmable memory locations
- TTL compatible input/output jacks
- Tachometer mode with sensor
- Battery charge indicator
- Kits include latching carrying case and a spare lamp
- NIST Calibration Certificate included

Basic Strobe
- Weighs less than 2 1/2 lbs. for easy handling and true portability
- Unique electronics switching provides continuous cool operation
- Easy to read backlit digital display
- Internal rechargeable batteries or AC powered models

Deluxe Strobe

Basic Strobe

Kit includes latching carrying case and a spare lamp

These Digital Stroboscopes' microprocessor technology makes them accurate instruments for speed measurement and stop motion diagnostic inspection. "Divide by 2" and "Multiply by 2" buttons allow a quick check of actual RPM. "Phase +" and "Phase -" buttons allow internal phase delays to keep the reference viewing target in eyesight of user. An "adder mode" enables visual inspection for misalignment or bent odd numbered fan blades, shafts and pulleys. The "Tach" mode enables the unit to be used with external sensors to measure up to 200,000 RPM directly without flashing the Strobe. A "% Charge" Battery Indicator shows remaining charge status. Electronic switching circuitry provides continuous operation and bright light output.

MONARCH INSTRUMENT
Innovation in Instrumentation

SPECIFICATIONS

Model	Deluxe Series A Digital, AC CE	Deluxe Series B Digital, Battery CE	Series A Basic, AC	Series B Basic, Battery
Range (FPM)	30-14,000	30-14,000	100-8,000	100-8,000
Display	5 1/2 Digit-LCD	5 1/2 Digit-LCD	4 Digit-LCD	4 Digit-LCD
Accuracy/Resolution	±0.01% of reading/0.1 FPM	±0.01% of reading/0.1FPM	±1 FPM/1 FPM	±1 FPM/1 FPM
Avg Power-Watts	15W	10W	8W	8W
Flash Energy/Duration	180m Joule (20-50µ sec)	220m Joule (20-50µ sec)	140m Joule (250-50µ sec)	140m Joule (25-50µ sec)
External Triggers-In/Out (1/8" Phone Jack)	TTL (24VDC Max) Provides 5VDC TTL out	TTL (24VDC Max) Provides 5VDC TTL out	NA	NA
Power	115VAC at 50/60Hz	Internal rechargeable battery (60 minutes)	115VAC at 50/60Hz	Internal rechargeable battery (60 minutes @ 6000 FPM)
Tachometer Mode	5-200,000 RPM	5-200,000 RPM	NA	NA
Programmable Memory	Yes	Yes	NA	NA
Internal Phase Shift	Yes	Yes	NA	NA
Weight	1.5 lbs	2.5 lbs	1.5 lbs	2.5 lbs
Dimensions	Body: 3.66"w x 3.56"h x 9"; Reflector Housing: 4.8" diameter, Handle: 4.25" long			

Catalog No.	Series	Description
MI463709	Deluxe A	Digital Microprocessor Stroboscope
MI463706	Deluxe A Kit	Digital Microprocessor Stroboscope Kit
MI463708	Deluxe B	Digital Microprocessor Stroboscope
MI463707	Deluxe B Kit	Digital Microprocessor Stroboscope Kit
MI4637011	A	Digital Microprocessor Stroboscope
MI463704	A Kit	Digital Microprocessor Stroboscope Kit
MI4637012	B	Digital Microprocessor Stroboscope
MI463705	B Kit	Digital Microprocessor Stroboscope Kit
Accessories		
MI216073		Remote optical sensor with 8' cable - 36" range from reflective target
MI216074		(2) 1/8" male stereo phone plugs for TTL triggers
MI216070		Latching carrying case for stroboscopes and provision for accessories
MI153209		Reflective tape - 5 foot roll, .5 inch wide
MI216075		Recharger for MI463707 & MI463708 only - 3 hour, 115 Vac, 50/60 Hz., CE
MI216076		Recharger for MI4637012 & MI463705 only - 14 hour, 115 Vac, 50/60 Hz.
MI03		Digital stroboscope spare lamp
MI01		Basic stroboscope spare lamp
NISTTM88		NIST Traceable Certificate
NISTTM89		NIST Traceable Certificate with Data