

## Stroboscopes and Tachometers

EXTECH  
INSTRUMENTS

FLUKE

MONARCH INSTRUMENT

Nidec  
SHIMPO

## EXTECH

**Digital Stroboscope/Tachometer**—Handheld instrument has xenon flashtube light source. Includes 6-ft. power cord and lamp.

## FLUKE

**Digital LED Stroboscope**—High-intensity 7-LED array in high-efficiency, uniform-flash LED light source, which combines with digital pulse width modulation to return exceptionally sharp images at high speeds.

## MONARCH INSTRUMENT

Rechargeable digital strobes provide continuous safe, cool operation. Fully backlit LCD. Each includes standard 120V charger for internal rechargeable battery. Battery life: LED 8 hr. and xenon 2 hr. Kits add spare lamp and carrying case.

**Basic Stroboscopes and Kits**—Digital control. Superbright LED or xenon flashtube light source.

## Deluxe Stroboscopes and Kits—

Multibutton keypads for x2/÷2 brightness adjust, visual phase shift, and tach mode. 8 to 10 hr. run time for LED. 3-hr. recharge time.

- Internal phase shift
- TTL input/output jacks
- Superbright LED or xenon flashtube light source

**Phaser Stroboscopes and Kit**—Allows degrees phase shift and time delay from external trigger. Multibutton keypad for advanced intuitive control. High-power charger/supply for continuous operation.

- External phase shift
- TTL input/output connectors
- Superbright LED or xenon flashtube light source

**PLS Pocket Strobe and Kit**—Provides a uniform light output for visual diagnostic inspection and rpm measurements. Features external input for remote triggering or tachometer mode, pulse output and memory for up to 5 present flash rates. 5- to 6-hr. run time.

## SHIMPO

**Stroboscope 787YX3**—Compact LED scope has coarse/fine tuning and user-defined flash rate memory storage. 5-digit display.



Item	For Use With	Brand	Mfr. Model	Item No.		
Accessories						
Digital Stroboscope Lamp	1UFK8, 1UFK9, 1ULF1 to 1ULF3	Monarch	L-1903	1TC14		
Digital Stroboscope Lamp	461831, Mfr. No. 461830	Extech	461834	5AY37		
Latching Carrying Case	1UFK8, 1UFK9, 1ULF1, 1ULF2	Monarch	CC-7	1TC40		
Remote Optical Sensor	1ULF1 to 1ULF3	Monarch	ROS-P	3WB47		
					36J797	
RPM Range	Res.	Flash Duration	Display	Power Req.	Mfr. Model	Item No.
00 to 10,000	0.1 fpm	60 to 1,000 usec	4 Digit LED	115V AC 60 Hz	461830	5AY35
—	0.1 to 1.0 fpm	1 to 33,333 usec	LCD Alphanumeric	(3) AA Batteries	FLUKE-820-2	40JW34
—	0.01 fpm	Adj. to 14°/3,000 usec	LCD Alphanumeric	115/230 50/60 Hz	6230-110	36J793
—	0.01 fpm	Adj. to 14°/3,000 usec	LCD Alphanumeric	115/230 50/60 Hz	6230-111	36J794
—	0.01 fpm	8 to 20 usec	6 Digit LCD	Rechargeable NiMH	6207-110	1UFK8
—	1 fpm	8 to 20 usec	6 Digit LCD	Rechargeable NiMH	6207-111	1UFK9
0 to 500,000	0.01 fpm	Adj. to 14°/3,000 usec	LCD Alphanumeric	115/230 50/60 Hz	DBL Kit	36J796
—	0.01 fpm	8 to 20 usec	6 Digit LCD	Rechargeable NiMH	6204-110	1ULF1
0 to 999,999	0.0001 fpm	Adj. to 14°/1,000 usec	LCD Alphanumeric	115/230 50/60 Hz	6241-020	52VG66
0 to 250,000	0.01 fpm	8 to 20 usec	6 Digit LCD	Rechargeable NiMH	6204-111	1ULF2
0 to 999,999	0.0001 fpm	Adj. to 14°/1,000 usec	LCD Alphanumeric	115/230 50/60 Hz	6243-011	52VG63
0 to 999,999	0.0001 fpm	Adj. to 14°/1,000 usec	LCD Alphanumeric	115/230 50/60 Hz	6241-021	52VG68
0 to 500,000	0.01 fpm	Adj. to 14°/3,000 usec	LCD Alphanumeric	115/230 50/60 Hz	PBL	36J797
0 to 500,000	0.01 fpm	Adj. to 14°/3,000 usec	LCD Alphanumeric	115/230 50/60 Hz	PBL Kit	36J798
0 to 300,000	0.01 to 1.0 fpm	Adj. to 14°/3,000 usec	LCD Alphanumeric	115/230 50/60 Hz	6235-110	36J799
0 to 300,000	0.01 to 1.0 fpm	Adj. to 14°/3,000 usec	LCD Alphanumeric	115/230 50/60 Hz	PLS Kit	36J801
0 to 12,000	0.1 fpm from 60 to 9,999 fpm, 1 fpm from 6,001 to 12,000 fpm	10 to 30 usec	5 Digit LED	100-240V AC 50/60 Hz	DT-735	61HY65
50 to 40,000	0.01 fpm, 0.1 fpm, 1 fpm	—	5 Digit Backlit LED	(4) AA Batteries	ST-1100	787YX3

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## 1/8-DIN Panel Tachometers and Sensors

## PANEL TACHOMETERS

**Extech 5AY32**—Permits rpm measurements of a 1-hole gear or disc, eliminating the need for special gears. Display updates once per sec. Resolution: 0.1 rpm.

**Monarch Instrument 4KF46**—Universal-input instrument for 2- and 3-wire sensors requires 1 pulse per revolution.

**Monarch 5TDG6 and 5TDG7**—Programmable universal-input instruments for 2- and 3-wire sensors measure mph, cm/sec., and other units, including linear rate of travel when using 2 sensors. 1 pulse per revolution. 2 setpoints for high/low alarm. RS-232C interface.

## SENSORS

**Extech Photoelectric Sensor**—Generates a light beam with a 0.4" (10mm) target opening.

**Proximity Sensors**—For use with ferrous/nonferrous metals.

Extech 5AY33 measures a pulse when a metallic object (stud) passes by the sensor. Min. object detection size: 0.07" x 0.11" (2mm x 3mm).

Monarch 4KF50 has an inductive probe that allows use with a 0.5" metallic target (bolt head or keyway).

**Monarch Magnetic Sensor**—As distance increases, output signal decreases. Includes 8-ft. cable and mounting nut.

- For use with ferrous metal gear teeth; min. target size 0.001"

**Monarch Remote Optical Sensor**—Stainless steel sensor operates up to 3 ft. and 45° from reflective target. Includes mounting bracket and 12" reflective tape. Additional reflective tape sold separately.

- LED light source and on-target indicator
- For use with reflective tape



5TDG6



5AY33



3A145

Description	Accuracy	Power Req.	RPM	Mfr. Model	Item No.
Panel Tachometers					
Extech 4 Digit LED Panel Meters					
Panel Tachometer	+/-0.05%	110/220 V AC	5 to 99,990	461950	5AY32
Monarch 5 Digit LED Panel Meters					
Panel Tachometer	+/-1 RPM	115 V AC	5 to 99,999	ACT-1B/115	4KF46
Panel Tachometer, 0 to 5VDC Output	+/-0.0015%	100 to 240 V AC, 50/60 Hz	5 to 999,990	ACT-3X-1-1-3-1-1-0	5TDG6
Panel Tachometer, 4 to 20 mADC Output	+/-0.0015%		5 to 999,990	ACT-3X-1-1-4-1-1-0	5TDG7
Sensors					
Extech					
Photoelectric Sensor	—	—	5 to 6000	461957	5AY34
Proximity Sensor	—	—	5 to 36,000	461955	5AY33
Monarch					
Proximity Sensor	—	—	1 to 60,000	P5-11	4KF50
Magnetic Sensor	—	—	1 to 100,000	M-190W	4KF49
Remote Optical Sensor	—	—	1 to 250,000	ROS-W	3WB46
				Mfr. Model	Item No.
Accessories					
Extech					
Contact Adapters	461891, 461995, Mfr. No. RPM10			461899	4GE86
Reflective Tape	All Noncontact Tachometers			461937	2FRU1 *
Monarch					
Latching Carrying Case	Mfr. No. PT99, PLT200 and PLT200 KIT			CC-11	1WA06
Padded Pouch				CC-10	1WA02
Reflective Tape	All Noncontact Tachometers			T-5	3A145
Shimpo					
Circumference Wheel	DT-105A, DT-107A, DT-205LR, DT-207LR			FPM-6	21YD73
Circumference Wheel	DT-105A-S12, DT-107A-S12, DT-205LR-S12, DT-207LR-S12			FPM-12	21YD74
Cone Adapter	DT-105A, DT-105A-S12, DT-107A, DT-107A-S12, DT-205LR, DT-205LR-S12, DT-207LR, DT-207LR-S12			CONE	21YD70
Contact Adapter	DT-205LR, DT-205LR-S12, DT-207LR, DT-207LR-S12			DT-ADP-200LR	21YD79 †
Extension Shaft	DT-105A, DT-105A-S12, DT-107A, DT-107A-S12			EXT-SHAFT	21YD72
Funnel Adapter	DT-205LR, DT-205LR-S12, DT-207LR, DT-207LR-S12			FUNNEL	21YD71

\* Pkg. of 10. † Compatible only with Shimpo Combination Tachometers sold on page 564.