



## Combination Tachometers

Handheld instruments offer surface and noncontact measurement choices. Each includes batteries. NIST models include certificate and calibration documents.

### EXTECH

**Tachometers and Laser Tachometers**—Laser light source, except 8PMK7 and 22DC94 have visible light source. Each includes tip(s) and wheel for contact readings and reflective tape for noncontact.

41D940 and 41D941 also measure length.

**Tachometers with Infrared Thermometer**—Make contact/noncontact speed measurements and noncontact surface temperature measurements.

- IR temp. range -4° to 600°F

### AMPROBE

**Tachometer 6NGZ4**—Makes contact/noncontact speed measurements with noncontact rpm. Infrared light source. Features selectable units in contact mode and data hold. Includes cone and funnel contact tips and reflective tape.

**Tachometer 4FKR9**—Measures rotational and surface speed, with selectable rpm/length units using the infrared beam or adapter. Includes 6 adapters, reflective tape, and carrying case.

- Meter/foot/inch length measurements

### MONARCH INSTRUMENT

**Laser Tachometer and Kit**—Pocket Laser Tach 200 is a 32-function tachometer/ratemeter, totalizer/counter, and timer (stopwatch). Fixed decimal points. TTL compatible pulse output can trigger data collectors or stroboscopes. Accepts remote optical

sensor 3WB47, sold separately on page 565. Tripod mountable.

Instrument 4YE86 includes 12" reflective tape. Kit 4YE87 adds remote contact assembly with concave and convex tips, 10cm linear scope wheel, 5-ft. reflective tape, and carrying case.

### SHIMPO

**Tachometers**—Measure rotational, linear, and surface speed plus total length. 10-measurement memory. Complete with 2 cone tips, funnel tip, extension shaft, and carrying case. Speed wheel included: 6" with 21YD75 and 21YD76, 12" with 21YD77 and 21YD78.

Description	Speed (FPM)	Noncontact RPM Range	Contact RPM Range	RPM Accuracy	Memory	Display	Calibration Certificate	Working Distance	Mfr. Model	Item No.
<b>Extech</b>										
Laser Tachometers	0 to 6560	2 to 99,999	2 to 20,000	+/-0.05% +1 Digit	10 Data Sets	Backlit LCD	No	1.6 ft	RPM33	41D940
	0 to 6560	2 to 99,999	2 to 20,000	+/-0.05% +1 Digit	10 Data Sets	Backlit LCD	Yes	1.6 ft	RPM33-NIST	41D941
	0.20 to 6560	10 to 99,999	0.5 to 20,000	0.05% of Reading +1 Digit	Last/Min/Max	5 Digit LCD	No	6.5 ft	461995	1PX61
	0.20 to 6560	10 to 99,999	0.5 to 20,000	0.05% of Reading +1 Digit	Last/Min/Max	5 Digit LCD	Yes	6.5 ft	461995-NIST	2HZ89
Tachometers	0.20 to 6560	5 to 99,999	0.5 to 20,000	0.05% of Reading +1 Digit	Last/Min/Max	5 Digit LCD	No	0.5 ft	461895	8PMK7
	0.20 to 6560	5 to 99,999	0.5 to 20,000	0.05% of Reading +1 Digit	Last/Min/Max	5 Digit LCD	Yes	0.5 ft	461895-NIST	22DC94
Tachometer with Infrared Thermometer	0.20 to 6560	10 to 99,999	0.5 to 20,000	0.05% of Reading +1 Digit	Last/Min/Max	5 Digit LCD	No	6.5 ft	RPM10	4GE84
	0.20 to 6560	10 to 99,999	0.5 to 20,000	0.05% of Reading +1 Digit	Last/Min/Max	5 Digit LCD	Yes	6.5 ft	RPM10-NIST	2HZC1
<b>Amprobe</b>										
Tachometers	3 to 30,000	10 to 99,999	10 to 19,999	+/-1% of Reading +/-2 Digits	No	LCD	No	1 ft	TACH-10	6NZG4
	0.40 to 6550	1 to 99,999	1 to 19,999	+/-0.02% +/-1 Digit	Built in	LCD	No	2 ft	TACH-20	4FKR9
<b>Monarch</b>										
Laser Tachometers	0.16 to 6562	5 to 200,000	0.5 to 20,000	+/-0.01% of Reading	Last/Min/Max	5 Digit +5 Alpha Numeric LCD	Yes	25 ft	PLT200	4YE86
	0.16 to 6562	5 to 200,000	0.5 to 20,000	+/-0.01% of Reading	Last/Min/Max	5 Digit +5 Alpha Numeric LCD	Yes	25 ft	PLT200 KIT	4YE87
<b>Shimpo</b>										
Tachometers	0.40 to 12,500	6 to 99,999	0.8 to 25,000	+/-0.006% of Reading +/- 1 Digit	Last/Min/Max	5 Digit LCD	Yes	20 ft	DT-205LR	21YD75
	0.40 to 12,500	6 to 99,999	0.8 to 25,000	+/-0.006% of Reading +/- 1 Digit	Last/Min/Max	5 Digit LED	Yes	20 ft	DT-207LR	21YD76
	0.80 to 25,000	6 to 99,999	0.8 to 25,000	+/-0.006% of Reading +/- 1 Digit	Last/Min/Max	5 Digit LCD	Yes	20 ft	DT-205LR-S12	21YD77
	0.80 to 25,000	6 to 99,999	0.8 to 25,000	+/-0.006% of Reading +/- 1 Digit	Last/Min/Max	5 Digit LED	Yes	20 ft	DT-207LR-S12	21YD78
	0 to 6560	6 to 99,999	6 to 25,000	—	Last/Min/Max/10 user logged measurements, retained for 5 minutes	Digital LCD	Yes	6 ft	MT-200	45AE68
	0.40 to 12,500	6 to 99,999	1 to 25,000	—	1000 Readings	—	Available Separately	—	DT-2100	49VY90



## Digital Contact Tachometers

**Extech**—Each includes interchangeable cone, flat tips, surface speed wheel, carrying case, and AA batteries.

- Digital
- Max./min. values

**Shimpo**—Measure rotational, linear, and surface speed plus total length. 10-measurement memory. Each includes 2 cone tips, funnel tip, extension shaft, speed wheel, carrying case, and AA batteries. 21YD66 and 21YD67 have a standard 6" speed wheel.

21YD68 and 21YD69 have a 12" wheel for enhanced accuracy with high-speed readings.

- Digital
- Last/max./min. recall
- 16 selectable units

Item	Speed (FPM)	Contact RPM Range	RPM Accuracy	Display	Calibration Certificate	Mfr. Model	Item No.
<b>Extech</b>							
Tachometer	0.20 to 6560	0.5 to 20,000	+/-0.05%	5 Digit LCD	No	461891	1PX59
	3 to 6560	10 to 20,000	+/-0.1% of Reading +2 Digits	—	No	461750	8PPJ5
<b>Shimpo</b>							
Tachometer	0.05 to 12,500	0.10 to 25,000	+/-0.006% of Reading +/- 1 Digit	5 Digit LCD	Yes	DT-105A	21YD66
	0.05 to 12,500	0.10 to 25,000	+/-0.006% of Reading +/- 1 Digit	5 Digit LED	Yes	DT-107A	21YD67
	0.10 to 25,000	0.10 to 25,000	+/-0.006% of Reading +/- 1 Digit	5 Digit LCD	Yes	DT-105A-S12	21YD68
	0.10 to 25,000	0.10 to 25,000	+/-0.006% of Reading +/- 1 Digit	5 Digit LED	Yes	DT-107A-S12	21YD69



## Noncontact Tachometers

Each includes reflective tape for targeting. 5URH0 also includes USB cable.

**Extech**—Employ a laser light source for noncontact rpm measurements from long distances. On-target indicator. With 9V battery.

- Max./min. values



**Monarch Instrument**—Pocket Tach 99 accepts tripod mount. With AA batteries.

- Autoranging
- Selectable max./min./last reading
- Fixed decimal points
- LED light source

Item	Noncontact RPM Range	RPM Accuracy	Display	Calibration Certificate	Working Distance	Mfr. Model	Item No.
<b>Extech</b>							
Laser Tachometer	2 to 99,999	+/-0.05%	5 Digit LCD	No	1.6 ft	461920	1TZP5
Tachometer with Counter	2 to 99,999	+/-0.05%	5 Digit LCD	Yes	1.6 ft	461920-NIST	6RGL0
<b>Monarch</b>							
Tachometer	5 to 99,999	+/-0.01% +/-1 Digit	5 Digit +5 Alpha Numeric LCD	No	3 ft	PT99	4YE85
<b>Westward</b>							
Tachometer	10 to 99,999	+/-0.04% +/-2 Digits	LCD	No	0.65 ft	5URH0	5URH0