



The laser optical system allows easy and quick measurements at a safe distance from rotating machinery.

Technical data

Designation	TKRT 10	TKRT 20
Display	5 digit LCD backlit display	Inverting vertical 5 digit LCD
Memory	10 readings memories	Last reading held for 1 minute
Measurement		
Optical modes	r/min, hertz	r/min and r/s (also count and time interval)
Contact modes	r/min, metres, inches, yards, feet, per min, hertz	r/min and r/s, metres, yards, feet, per min and per sec
Count modes	total revs, metres, feet, yards	total revs, metres, feet, yards
Sampling time	0,5 seconds (over 120 r/min)	0,8 seconds or time between pulses 0,1 seconds auto-selection in max or min capture mode
Linear speed	0,2 to 1 500 metres/min (4 500 ft/min)	0,3 to 1 500 metres/min (4 500 ft/min) or equivalent in seconds
Optical measurement		
Rotational speed range	3 to 99 999 r/min	3 to 99 999 r/min
Accuracy	±0,05% of reading ±1 digit	±0,01% of reading ±1 digit
Measuring distance	50 to 500 mm (1.9 to 19.7 in.)	50 to 2 000 mm (1.9 to 78.7 in.)
Angle of operation	±45°	±80°
Laser sensor	1 × built-in class 2 laser	1 × built-in class 2 laser
Remote laser sensor	N/A	Optional TMRT 1-56
Contact measurement		
Rotational speed range	2 to 20 000 r/min	Max. 50 000 r/min for 10 sec
Accuracy	±1% of reading ±1 digit	±1% of reading ±1 digit
Contact adaptors	Included with conical tip, conical recess and wheel	Included with r/min cone and removable metric wheel assembly
Battery	1× 9V alkaline type IEC 6F22	4× AAA alkaline type IEC LR03
Operation time	12 hours continuous use	24 hours continuous use
Product dimensions	160 × 60 × 42 mm (6.3 × 2.4 × 1.7 in.)	213 × 40 × 39 mm (8.3 × 1.5 × 1.5 in.)
Product weight	160 g (0.35 lb)	170 g (0.37 lb)
Carrying case dimensions	260 × 85 × 180 mm (10.3 × 3.4 × 7.0 in.)	260 × 85 × 180 mm (10.3 × 3.4 × 7.0 in.)
Operating temperature	0 to 50 °C (32 to 122 °F)	0 to 40 °C (32 to 104 °F)
Storage temperature	-10 to +50 °C (14 to 122 °F)	-10 to +50 °C (14 to 122 °F)
Relative humidity	10 to 90% RH non-condensing	10 to 90% RH non-condensing
IP rating	IP 40	IP 40