

Waters Torque Watch... *the industry leader in measuring low-static torque!*

In today's competitive environment, technology is shrinking components and systems smaller and smaller. At the same time, tolerances are becoming tighter and tighter. For those committed to quality, precision is the watchword. That's why professionals today turn to Torque Watch, as they have for the last fifty years.

The Torque Watch is simple to use, requiring no special tools or setups. Attach the gauge to the device being measured, and simply rotate it, for a direct reading on the clear, easy-to-read dial. There's even protection against over-torque, by a stainless steel internal rotation stop.

Honeywell also has a full recalibration program available. Just return your Torque Watch, and we'll service and recalibrate it, in a system that is traceable to the National Institute of Standards and Technology (NIST).

LOW RANGE 366 SERIES • RANGE: 0.003 - 0.60 oz/in.

The Series 366 Torque Watch accurately measures very low torque, in values that range from 0.003 to 0.60 oz/in. Three miniature adapter chucks allow simple coupling to the device being measured.

To minimize friction, a calibrated helical spring, shaft, and pointer assembly are mounted in jeweled bearings. The unit can measure torque in either a clockwise or counterclockwise direction. A stainless steel internal rotation stop prevents damage from over-torque up to three times the normal range.

Choose from nine models that measure torque in the ranges specified on the back page.



Low Range 366 Series
(range: 0.003 - 0.60 oz/in.)

MID RANGE 651 SERIES • RANGE: 0.05 - 40.0 oz/in.

The Series 651 Torque Watch provides accurate measurements of low static torque in values that range from 0.05 to 40.0 oz/in. A 1/4 inch keyed chuck provides a simple means of coupling to the device under measurement.

The Series 651 utilizes a calibrated spring, shaft, and pointer assembly within a rugged steel and aluminum housing. The unit can measure torque in either a clockwise or counterclockwise direction. Internal stainless steel rotation stops prevent damage from over-torque up to two times the normal range.

Eighteen models are available in the ranges specified on the back page. Models are also available with metric and S.I. units of measure.



Mid Range 651 Series
(range: 0.05 - 40.0 oz/in.)

HIGH RANGE 940 SERIES • RANGE: 15.0 - 200.0 oz/in.

The Series 940 Torque Watch accurately measures torque in values that range from 15.0 to 200 oz/in. A 3/8 inch keyed chuck and 3/8 inch square socket driver adapter provides a simple means of coupling to the device under measurement.

The Series 940 utilizes a calibrated spring, shaft, and pointer assembly within a rugged steel and aluminum housing. The unit can measure torque in either a clockwise or counterclockwise direction. Internal stainless steel rotation stops prevent damage from over-torque up to two times the normal range.

Six models are available in the ranges specified on the back page.



High Range 940 Series
(range: 15.0 - 200.0 oz/in.)

RANGE MODEL SELECTOR

	Standard		Metric		System Int.		
366 Series	Model	ounce inches	Model	gram centimeter	Model	newton meter	Low Range
366-0 Group	366-0	0.06 to 0.6	366-0M	6 to 42	366-1SI	0.2 to 2	
366-1 Group	366-1	0.03 to 0.3	366-1M	3 to 21			
366-2 Group	366-2	0.01 to 0.1	366-2M	1 to 7.5			
366-3 Group	366-3	0.003 to 0.03	366-3M	0.2 to 2			
651 Series	Model	ounce inches	Model	gram centimeter	Model	newton meter	Mid Range
651C-1 Group	651C-1	0.05 to 1.2	651C-1M	2.5 to 80	651C-1SI	0.5 to 9	
651C-2 Group	651C-2	1 to 20	651C-2M	50 to 1.2 K	651C-2SI	10 to 140	
651C-3 Group	651C-3	2 to 40	651C-3M	150 to 2.8 K	651C-3SI	15 to 285	
651X-2 Group	651X-2	0.1 to 2.4	651X-2M	5 to 150	651X-2SI	1 to 18	
651X-3 Group	651X-3	0.25 to 5	651X-3M	10 to 300	651X-3SI	2 to 36	
651X-4 Group	651X-4	0.5 to 10	651X-4M	25 to 600	651X-4SI	5 to 70	
940 Series	Model	ounce inches	Model	gram centimeter	Model	newton meter	High Range
940-1 Group	940-1	30 to 200	940-1M	2.5 K to 14.3 K	940-1SI	0.25 to 1.4	
940-2 Group	940-2	15 to 30	940-2M	1 K to 7.1 K	940-2SI	0.1 to 0.7	

UNITS CONVERSION

Multiply	By	To Obtain	Multiply	By	To Obtain		
English	Ounce Inches	6.25×10^{-2}	Pound Inches	Metric	Gram MM	1.389×10^{-3}	Ounces Inches
English	Pound Inches	5.21×10^{-3}	Pound Feet	English	Gram MM	8.681×10^{-5}	Pound Inches
English	Pound Inches	16	Ounces Inches	English	Gram CM	1.389×10^{-2}	Ounces Inches
English	Pound Feet	192	Ounces Feet	English	Gram CM	8.681×10^{-4}	Pound Inches
English	Ounce Inches	72	Gram CM	System	Ounce Inches	7.06×10^{-3}	Newton-Meters
English	Ounce Inches	720	Gram MM	Inter-	Gram CM	9.81×10^{-5}	Newton-Meters
Metric	Pound Inches	1152	Gram CM	national	Newton-Meters	141.6	Ounces Inches
Metric	Pound Inches	11520	Gram MM	Newton-Meters	Newton-Meters	10197	Gram CM

WARRANTY/REMEDY

Honeywell warrants goods of its manufacture as being free of defective materials and faulty workmanship. Contact your local sales office for warranty information. If warranted goods are returned to Honeywell during the period of coverage, Honeywell will repair or replace without charge those items it finds defective. The foregoing is Buyer's sole remedy and is in lieu of all other warranties, expressed or implied, including those of merchantability and fitness for a particular purpose.

Specifications may change without notice. The information we supply is believed to be accurate and reliable as of this printing. However, we assume no responsibility for its use.

While we provide application assistance personally, through our literature and the Honeywell web site, it is up to the customer to determine the suitability of the product in the application.

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