Includes FREE certification from our ISO/IEC 17025 Accredited calibration laboratory.

ACCREDITED
CERT #2036.01

PM-15

Preset Screwdriver PM Series

If we preset the torque value at the factory, we include a Calibration Certificate.

If we do not preset the torque value, you may request a Calibration Certificate.

- Perfect for assembly of electronic components and precision mechanical products!
- Ideal for use in field maintenance kits - electro-static discharge compliant when ESD practices are used.
- Clutch releases automatically when preset torque attained - no overtorquing.
- Anti-backlash design for repeatability.
- Long shaft allows operator to reach limited-access applications.
- Accuracy of +/- 6% (from 20% to 100% of capacity) meets or exceeds ASME B107.300 - 2010 and ISO 6789 requirements.
- Bi-directional versatility - CW and CCW operation.
- Uses standard bits, adapters, and sockets.
- Torque value can be set using any unit of torque measure.

PM-36

Specifications	PM-5 Part No. 810007	PM-15 Part No. 810064	PM-36 Part No. 810563
Capacity	20-100 in. ozs. 1.25-6.25 in. lbs. 14-70 cNm 1.4-7.2 kgf•cm	48-240 in. ozs. 3-15 in. lbs .33-1.65 Nm 3.44-17.2 kgf•cm	115.2-576 in. ozs. 7.2-36 in. lbs. .8-4 Nm 8-40 kgf•cm
Length (less bit)	5 17/64"	6 21/64"	7 5/32"
Grip Diameter	49/64"	1 1/32"	1 15/64"
Grip Length	3"	3"	
Weight	0.25 lbs.	0.3 lbs.	0.5 lbs.
Drive Size	1/4" Female Hex	1/4" Female Hex	1/4" Female Hex

⚠WARNING

- Do not exceed rated torque
- Do not use to break fasteners loose
- Periodic recalibration is necessary to maintain accuracy
- Read safety precautions on page 59

Color code all your screwdrivers

When you place your order, just mention you want colors and we will send a package of five easy-to-apply heat shrink sleeves. Color code bands are 1/2" in length.

Part No.	Package Contents
816734	Multi-color (1 each)
816735	Blue (5)
816736	Yellow (5)
816737	Red (5)
816738	White (5)
816739	Green (5)

PM-5

Thrust Load Testing PM Series Screwdrivers

Torque tools are used to remove variables in the measuring and tightening process.

A poorly designed tool does not eliminate variables introduced by the operator. It does not achieve the intended goal and becomes a variable in and of itself.

When it comes to screwdrivers, an operator naturally applies thrust force to prevent slipping off, or out of the screw. A properly designed screwdriver eliminates the variable of thrust force.

If the design allows the measuring element to be affected by thrust force, the results in the test lab will be quite different from the actual results on the shop floor.

In our test methodology our results had to be reproducible and quantifiable. First we tested the transducer used in the test to ensure that it was unaffected by thrust loads.

Then we tested our screwdrivers with no thrust force, followed by testing with measurable thrust force through the use of certified weights.

When you find a torque screwdriver with results like this, buy it.

PM-5 set @ 20 in.oz.

Test #	w/o Thrust Load		w/10 lb Thrust Load		w/20 lb Thrust Load	
	Actual	+/- Accuracy	Actual	+/- Accuracy	Actual	+/- Accuracy
1	19.6	-2.000%	19.8	-1.000%	19.4	-3.000%
2	19.3	-3.500	20.4	2.000%	19.4	-3.000%
3	19.7	-1.500%	20.6	3.000%	19.4	-3.000%
4	19.4	-3.000%	19.8	-1.000%	19.7	-1.500%
5	20.7	3.500%	20	0.000%	20	0.000%
6	20.5	2.500%	19.7	-1.500%	20.2	1.000%
7	20.6	3.000%	20.3	1.500%	20	0.000%
8	20	0.000%	20	0.000%	19.6	-2.000%
9	19.8	-1.000%	19.9	-0.500%	19.8	-1.000%
10	19.3	-3.500%	19.6	2.000%	19.9	-0.500%
11	19.7	-1.500%	19.9	-0.500%	20.6	3.000%
12	19.7	-1.500%	19.8	-1.000%	20.4	2.000%
13	19.7	-1.500%	20.01	0.050%	20.3	1.500%
14	19.5	-2.500%	19.9	-0.500%	19.6	-2.000%
Average	**19.821**	**-0.893%**	**19.979**	**-0.104%**	**19.879**	**-0.607%**
Range	**1.4**		**1**		**1.2**	

PM-15 set @ 3 in.lb.

Test #	w/o Thrust Load		w/10 lb Thrust Load		w/20 lb Thrust Load	
	Actual	+/- Accuracy	Actual	+/- Accuracy	Actual	+/- Accuracy
1	3.08	2.667%	2.96	1.333%	3.02	0.667%
2	2.99	-0.333%	2.99	-0.333%	3.03	1.000%
3	2.93	-2.333%	3.08	2.667%	3.01	0.333%
4	2.9	-3.333%	3.08	2.667%	3.01	0.333%
5	2.92	-2.667%	3.1	3.333%	2.97	-1.000%
6	2.93	-2.333%	3.13	4.333%	3.01	0.333%
7	2.92	-2.667%	3.02	0.667%	3.08	2.667%
8	2.98	-0.667%	2.99	-0.333%	3.08	2.667%
9	2.95	-1.667%	2.98	-0.667%	3.08	2.667%
10	2.99	-0.333%	2.98	-0.667%	3.12	4.000%
11	2.93	-2.333%	2.97	-1.000%	3.03	1.000%
12	2.95	-1.667%	2.99	-0.333%	2.99	-0.333%
13	2.9	-3.333%	3.01	0.333%	2.96	-1.333%
14	2.96	-1.333%	3.09	3.000%	2.96	-1.333%
Average	**2.952**	**-1.595%**	**3.026**	**0.881%**	**3.025**	**0.833%**
Range	**0.18**		**0.17**		**.16**	

Sturtevant Richmont