Signal Output Wrenches

Electric Signal Wrench

The Signal Output torque wrench is a process control tool that sends a signal each time the wrench achieves its pre-set torque value. The torque wrench is ideal for production line control or counting function. The cable from the tool is connected to the customers PLC or error proofing system.

Key Features

- Designed and manufactured to meet or exceed the accuracy and repeatability requirements of ISO 6789:2003
  (Tools < 10 N.m (+/- 6% of setting): MTBN2-SW, MTBN10-SW, TSP5/45-SW, TSP10/90-SW
  (Tools > 10 N.m are +/- 4% of setting): MTBN25-SW, MTBN65-SW, MTBN135-SW, TSN25D-SW, TSN25A-SW, TSN55-SW, TSN125-SW
- Torque wrenches are fitted with a Universal Rotary Switch Module (360 rotating connector prevents twisting or kinking of the cable), which signals when a pre-set torque value is reached.
- Signal Output Wrenches can be connected to a Signal Delay Unit (accessory item) to monitor the use of the wrenches as the electrical signal is displayed each time the wrench achieves its pre-set torque value.
- Micro-switch contained in internal shock-resistant housing.
- Possible use in Production Line Control: Allowing only components with correctly torque fasteners to pass through a work station. This could be a simple matter of actuating a gate switch or signaling a computer controlled work station.
- Counting Function: Count the number of times the torque has been applied - check against finished goods.
  Possible Uses
  - **Production Line Control:** Allowing only components with correctly torque fasteners to pass through a work station. This could be a simple matter of actuating a gate switch or signaling computer controlled work station.
  - **Counting Function**: Count the number of times the torque has been applied – check against finished goods

Accessories Optional

Signal Delay Unit
Designed to exceed the duration of the electrical circuit completed and guarantee interface quality. It minimizes risk of multiple signals caused by rapid use or variable signal duration. The wall mountable box features adjustable signal duration and LED's to monitor the signal.

Model: Signal Delay Unit
Item # 20-C12870

Model: Power Supply for Signal Delay Unit
Item # 81-1060

Accessory Optional - Cable

Model: Spiral Cable
Item # 20-D94406

Replacement Parts

Each Signal Output wrench includes a straight cable and universal rotary switch module. If you need to replace an item, order these part numbers.

Model: Straight Cable
Item # 20-D94402

Model: Universal Rotary Switch Module
Item # 20-B25900

TSP (Cam-Over Signal Output Wrench)

Model	Item #	Torque Ranges lbf.in	N.m	kgf.m	Length in.	mm	Square Drive	Weight oz.	kg
TSP5/45-SW	020720	10 - 45	1 - 5	10.2 - 51	13 1/4”	335	1/4”	18.7	0.53
TSP10/90-SW	020721	20 - 90	20 - 90	20.4 - 102	13 1/4”	335	1/4”	18.7	0.53

TSN (Cam-Over Signal Output Wrench)

Model	Item #	Torque Ranges lbf.ft	N.m	kgf.m	Length in.	mm	Square Drive	Weight oz.	kg
TSN25D-SW	020275	2 - 18	3 - 25	.3 - 2.5	14 1/4”	366	1/4”	24	0.68
TSN25A-SW	020261	2 - 18	3 - 25	.3 - 2.5	14 1/4”	366	3/8”	24	0.68
TSN55-SW	020259	10 - 40	15 - 55	1.5 - 5.6	18 2/3”	474	3/8”	40.2	1.14
TSN125-SW	020266	30 - 90	40 - 125	4 - 12.7	24”	610	1/2”	60	1.7

MTBN (Break-Over Signal Output Wrench)

Model	Item #	Torque Ranges lbf.in	N.m	kgf.cm	Length in.	mm	Drive Type	Weight oz.	kg	Break
MTBN2-SW	020319	1.8 - 18	0.2 - 2	2 - 20	10”	255	Captive Pin	15.8	0.45	20° or 90°
MTBN10-SW	020327	9 - 89	1 - 10	10 - 102	10”	255	Captive Pin	16.5	0.65	20° or 90°
MTBN25-SW*	020492	44 - 221	5 - 25	51 - 255	16 1/3”	415	16mm Spigot	26.5	0.75	20°
MTBN65-SW*	020633	89 - 575	10 - 65	102 - 663	17 3/4”	452	16mm Spigot	38.5	1.09	20°
MTBN135-SW*	020634	177 - 1195	20 - 135	204 - 1377	22”	558	16mm Spigot	59.2	1.68	20°
MTBN200-SW*	020719	354 - 1770	40 - 200	408 - 2039	26 1/3”	670	16mm Spigot	61.4	1.74	20°

Note! Each wrench includes universal rotary switch and straight cable.
* MTBN 25, 65, 135 & 200 operate in single direction (clockwise)

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