

# Signal Output

## Electric Signal Wrenches



### ELECTRICAL DETAILS

Switch Rating: 100mA 30Vdc Max. / 100µa 50 mVdc Min.

Switch Status: Normally open, closes when preset torque is achieved

### MTBN

Model	Item #	Torque Ranges		
		lbf.in	N.m	kgf.cm
MTBN2SW	020319	1.8 - 18	0.2 - 2	2 - 20
MTBN10SW	020327	9 - 89	1 - 10	10 - 102
MTBN25SW*	020492	44 - 221	5 - 25	51 - 255
MTBN65SW*	020633	89 - 575	10 - 65	102 - 663
MTBN135SW*	020634	177 - 1195	20 - 135	204 - 1377

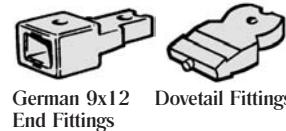
\*Models operate in single direction (clockwise).

### DIMENSIONS AND WEIGHT

Model	Length		Weight	
	in.	mm	oz.	gm.
MTBN2SW	6.2	160	6.6	187
MTBN10SW	6.2	160	6.6	187
MTBN25SW	13.5	345	9.4	266
MTBN65SW	16.3	416	10.5	297
MTBN135SW	19.7	507	13.5	382

### MTBN - DRIVE SIZE CONFIGURATIONS

These configurations available upon request.



### MTBN HEADS

SEE PAGE O4.6



### 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):

MTBN2SW & MTBN10SW

- Tools > 10 N.m (± 4% of setting):

MTBN25SW, MTBN65SW, MTBN135SW

TSN25DSO, TSN25ASO, TSN55SO & TSN125SO

MTBN and TSN are fitted with an electric switch, which signals when a pre-set torque value is reached.

Wrenches can be connected to an external device to monitor the use of the wrenches as an electrical signal is passed each time the wrench achieves its pre-set torque value.

Preset production wrench. No external adjustment scale - must be preset using a torque analyzer.

Micro-switch contained in an internal shock-resistant housing.

6.25m long sheathed straight cable with 360° rotating connector, which prevents twisting or kinking of the cable.

The wrench can be interfaced with computers, counters, or gate switch.

Possible Uses

- **Production Line Control:** Allowing only components with correctly torque fasteners to pass through a work station.

- **Counting Function:** Count the number of times the torque has been applied, check against finished goods.



### SIGNAL DISPLAY UNIT

#### Item #20-C12870

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.

### ACCESSORIES

#### Item #020618

Power Supply for Signal Display Unit

#### Item #20-D94406

Spiral Cable

### TSN

Model	Item #	Torque Ranges		
		lbf.ft	N.m	kgf.m
TSN25DSO	020275	2 - 18	3 - 25	.3 - 2.5
TSN25ASO	020261	2 - 18	3 - 25	.3 - 2.5
TSN55SO	020259	10 - 40	15 - 55	1.5 - 5.6
TSN125SO	020266	30 - 90	40 - 125	4.0 - 12.7

### DIMENSIONS AND WEIGHT

Model	Length		Sq. Drive	Weight	
	in.	mm		oz.	gm.
TSN25DSO	15.8	403	1/4"	13	369
TSN25ASO	15.8	403	3/8"	13	369
TSN55SO	18.2	463	3/8"	30	850
TSN125SO	23.3	592	1/2"	50.3	1426