

MEA 数显角度扭力扳手 (数显角度扭力扳手 密合扭矩和角度功能)

MEA Digital Angle Torque Wrench (Digital Angle Torque Wrench Fitting Torque and Angle Function)



说明

扭矩值为拧紧紧固件时所施加的力的大小。对于大多数应用而言，这已经完全足够了。在具体情况下，我们还必须额外地测量精度。在螺栓连接的工作件之间产生的拧紧力必须完全符合要求，否则，如果施加力过大，则工作件有破裂的危险；如果施加力过小，则连接不够牢固，进而可能导致在正常工作条件下的装配故障。由于拧紧力的大小取决于拧紧扭矩和角度，这就需要使用可以同时测量这两个量的测量工具。

概述

◆ MEA 是角度法拧紧的数显扭矩角度扳手。设定密合扭矩、拧紧角度和拧紧角度上限值，当拧紧操作达至设定的拧紧角度(超过密合扭矩才开始计算)时，扳手亮蓝色 LED 灯且蜂鸣器响以提示操作者。配合 MOTIVE 数据管理软件。

用途

- ◆ 适用于生产需要角度控制螺栓紧固，或辅助角度紧固机。
- ◆ 残余扭矩测量。

特性

- ◆ 同时显示扭矩值和角度。
- ◆ 设定密合扭矩和紧固角度。
- ◆ LED 显示屏上的扭矩，角度值数值对应不同状态自动切换。
- ◆ 可依据设定的拧紧允许范围对拧紧角度进行判断是否合格 (OK/NG)，防止错误拧紧。
- ◆ 可储存 999 组测量数据
(包括紧固扭矩，紧固角度，紧固日期)

Explanation

The torque value is the amount of force applied when tightening the fastener. For most applications, this is completely sufficient. In specific cases, we must additionally measure accuracy. The tightening force generated between the bolted workpieces must be exactly as required, otherwise, if too much force is applied, the workpieces are in danger of cracking; if too little force is applied, the connection is not strong enough, which may lead to normal operation. Assembly failure under conditions. Since the magnitude of the tightening force depends on the tightening torque and angle, it is necessary to use a measuring tool that can measure both quantities at the same time.

Overview

◆ MEA is a digital torque angle wrench for angle tightening. Set the tightening torque, tightening angle and the upper limit of tightening angle. When the tightening operation reaches the set tightening angle (the calculation will start when the tightening torque is exceeded), the wrench will light up with blue LED light and the buzzer will sound to prompt the operation. By. Cooperate with MOTIVE data management software.

use

- ◆ It is suitable for angle control bolt tightening or auxiliary angle tightening machine in production.
- ◆ Residual torque measurement.

Characteristic

- ◆ The torque value and angle are displayed at the same time.
- ◆ Set the tightening torque and tightening angle.
- ◆ The torque and angle values on the LED display are automatically switched corresponding to different states.
- ◆ It can judge whether the tightening angle is qualified (OK/NG) according to the set tightening allowable range to prevent wrong tightening.
- ◆ Can store 999 sets of measurement data (including tightening torque, tightening angle, tightening date)
- ◆ Optional MOTIVE data management software.

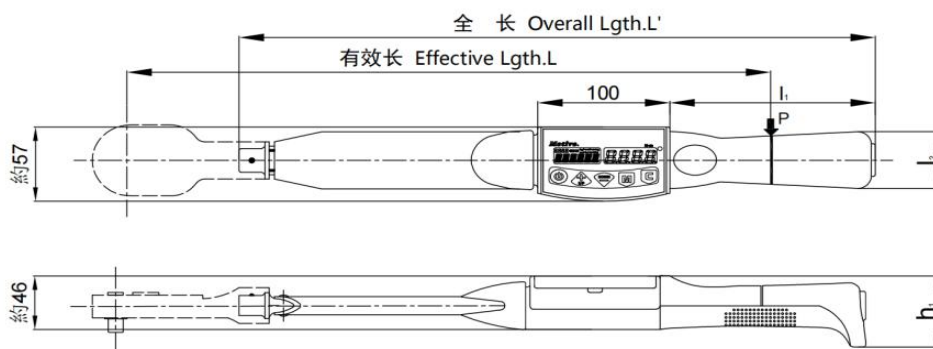
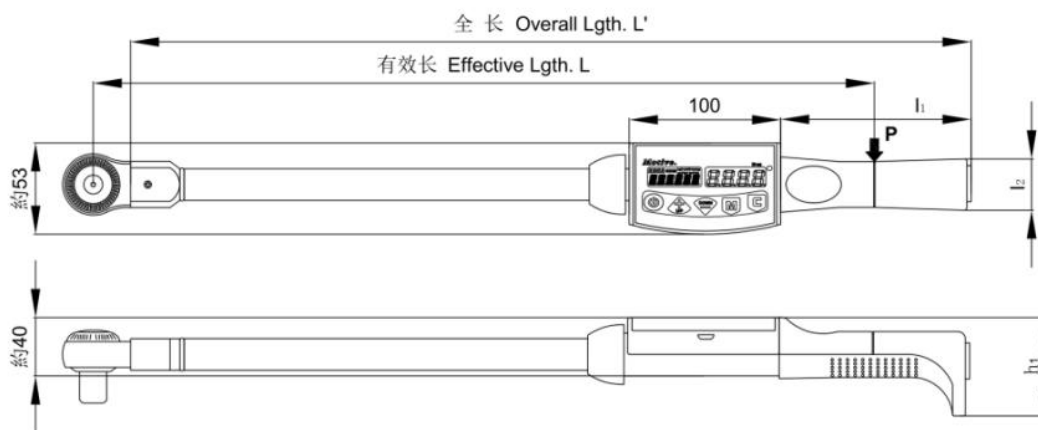
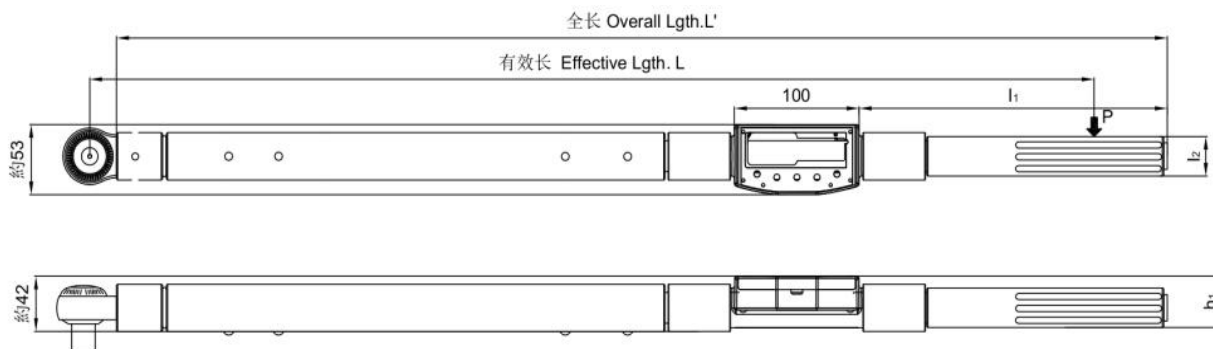
Technical parameter 技術參數

扭矩精度 Torque Accuracy	$\pm 2\%$ ± 1 digit
角度精度 Angular Accuracy	$\pm 2^\circ$ $+1$ 分度值 (加载 90° 时的速度须在 $30-180^\circ$ /秒) $\pm 2^\circ$ $+1$ division value (the speed must be $30-180^\circ/\text{sec}$ when loading 90°)
显示 display	4 位 7 段 LED (显示高度 10mm) 4-digit 7-segment LED (display height 10mm)
	6 位 14 段 LCD (显示高度 7mm) 6-digit 14-segment LCD (display height 7mm)
	4 位 7 段 LCD (显示高度 3mm) 4-digit 7-segment LCD (display height 3mm)
	双色 LED 判断灯 (蓝/红) Two-color LED judgment light (blue/red)
	剩余电量显示 (4 阶) Remaining battery display (4 steps)
数据储存个数 Number of data storage	999 (拧紧角度值, 最终扭矩值, 时间) 999 (Tightening angle value, final torque value, time)
基本功能 basic function	自动回零 (扭矩, 角度) Auto zero (torque, angle)
	拧紧完成提示 Tightening Completion Reminder
	自动储存/复位 Auto save/reset
	自动关闭电源 Auto power off
	过载报警 Overload alarm
	时间 time
	OK/NG 判断 OK/NG judgment
通讯功能 Communication function	USB 对应串行输出 USB corresponds to serial output
持续使用时间 Continuous usage	20 小时 (8 小时) 20 hours (8 hours)
充电时间 Charging time	约 4 小时 About 4 hours
电源 Power Supply	镍氢电池组 Ni MH battery pack
使用温度范围 Usage Temperature	$0 \sim 40^\circ\text{C}$ (无凝露) $0 \sim 40^\circ\text{C}$ (no condensation)

Specification

规格

型号 MODEL	测量范围 Capacity		角度测量范围 Angle Measuring Range		角度精度 Angle Accuracy	总体长度 OVERALL LENGTH L'	重量 WEIGHT (kg)	棘轮头 INTERCHAN GABLE HEADS												
	最小~最大 Min ~ Max.	分度值 GRAD	最小~最大 Min ~ Max.	分度值 GRAD																
MEA10N1D4	(0.5)2 ~ 10N.m	0.01	0 ~ 999°	1°	±2°+1 位 (螺栓转动时角速度为 30° /s~180°/s 至 90°) ±2° + 1digit (Angular velocity is 30° /s~180°/s when the bolt turned to 90°)	282	0.49	QH8D												
	(5)20 ~ 100Kgf.cm	0.1																		
	(5)20 ~ 90Lbf.in	0.1																		
MEA20N3D8	(1)4 ~ 20N.m	0.02				0 ~ 999°	1°	±2°+1 位 (螺栓转动时角速度为 30° /s~180°/s 至 90°) ±2° + 1digit (Angular velocity is 30° /s~180°/s when the bolt turned to 90°)	282	0.51	QH10D									
	(10)40 ~ 200Kgf.cm	0.2																		
	(10)40 ~ 180Lbf.in	0.2																		
MEA50N3D8	(2.5)10 ~ 50N.m	0.05							0 ~ 999°	1°	±2°+1 位 (螺栓转动时角速度为 30° /s~180°/s 至 90°) ±2° + 1digit (Angular velocity is 30° /s~180°/s when the bolt turned to 90°)	282	0.58	QH12D						
	(25)100 ~ 500Kgf.cm	0.5																		
	(25)100 ~ 450Lbf.in	0.5																		
MEA100N1D2	(5)20 ~ 100N.m	0.1										0 ~ 999°	1°	±2°+1 位 (螺栓转动时角速度为 30° /s~180°/s 至 90°) ±2° + 1digit (Angular velocity is 30° /s~180°/s when the bolt turned to 90°)	384	0.63	14*18 1/2			
	(50)200 ~ 1000Kgf.cm	1																		
	(50)200 ~ 900Lbf.in	1																		
MEA200N1D2	(10)40 ~ 200N.m	0.2													0 ~ 999°	1°	±2°+1 位 (螺栓转动时角速度为 30° /s~180°/s 至 90°) ±2° + 1digit (Angular velocity is 30° /s~180°/s when the bolt turned to 90°)	475	0.78	14*18 1/2
	(100)400 ~ 2000 Kgf.cm	2																		
	(7.6) 30 ~ 150Lbf.ft	0.2																		
MEA360N1D2	(18)72 ~ 360N.m	0.4	0 ~ 999°	1°	±2°+1 位 (螺栓转动时角速度为 30° /s~180°/s 至 90°) ±2° + 1digit (Angular velocity is 30° /s~180°/s when the bolt turned to 90°)													713	1.13	14*18 1/2
	(180)720 ~ 3600Kgf.cm	4																		
	(13)52 ~ 260Lbf.ft	0.4																		
MEA500N3D4	(25)100 ~ 500N.m	0.5				0 ~ 999°	1°	±2°+1 位 (螺栓转动时角速度为 30° /s~180°/s 至 90°) ±2° + 1digit (Angular velocity is 30° /s~180°/s when the bolt turned to 90°)										949	4.00	14*18 3/4
	(2.5)10 ~ 50Kgf.m	0.05																		
	(18)72 ~ 360Lbf.ft	0.5																		
MEA850N3D4	(43)170 ~ 850N.m	1							0 ~ 999°	1°	±2°+1 位 (螺栓转动时角速度为 30° /s~180°/s 至 90°) ±2° + 1digit (Angular velocity is 30° /s~180°/s when the bolt turned to 90°)							1387	5.14	14*18 3/4
	(4.3)17 ~ 85Kgf.m	0.1																		
	(31)124 ~ 620Lbf.ft	1																		

尺寸 Dimension

10-50N.m

100-360N.m

500-850N.m