

Pokayoke CNA-4mk3

**Count Verification Unit
to Prevent Human Error of Tightening!!**



- **Simultaneous Usage of Max. 4 LS Torque Wrenches**
Up to 4 torque wrenches can be set on and can be displayed on CNA-4mk3.
- **Capable of Setting Max. 8 different works**
Up to 4 torque wrenches can be set with different number of bolts to tighten.
- **Easy Parameter Setting**
Capable of setting through PC by parameter setting software.
- **Verification System with Reasonable Price**

Display
1 Torque Wrench



Display
2 Torque Wrenches



Display
3 Torque Wrenches



Display
4 Torque Wrenches



① **Capable of Setting Max. 8 Units of work simultaneously**

No. of tightening bolts for up to 4 torque wrenches can be displayed on one unit.

② **Simple Parameter setting**

Capable of easily setting various parameter setting with a PC by exclusive application software.

③ **Low Cost Error-Proofing System**

For all-in-one specifications, easily setup error proofing system with reasonable price.

④ **Accessible to 8 different works**

Capable of handling mixed line.

⑤ **Operation in Order or at random**

In case of handling a variety of works with multiple torque wrenches, it can be helpful if usage order is set.

⑥ **Torque Wrench Selection Signal Output**

In usage of multiple torque wrenches, it is to prevent a tool selection error by lamp notification.

⑦ **Interval Warning Function**

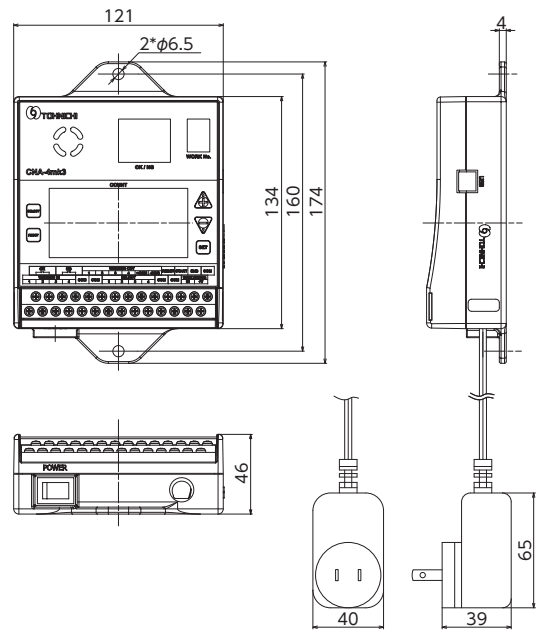
NG Alarm sounds warn worker unless next tightening is done within a set time.

⑧ **4 Pattern of NG Buzzer**

Preventing operators from getting confused if NG buzzer.

Specification / Dimension

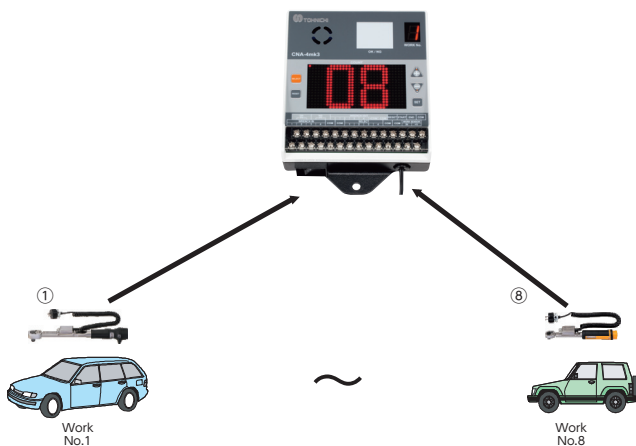
Count Display	16×32 dot-matrix LEDs
OK/NG Judgement Display	30×25 square display lamp (commonly used for OK/NG) OK : Blue lamp turned on NG : Red lamp blinking+Buzzer sounds (4 patterns)
Work No. Selection Display	1-digit 7-segment LED
Count Input	Contact input x 4
Max. tightening number of bolts	99 counts
Max. number of works	8 sets
OK/NG judgement setting	<ul style="list-style-type: none"> • Preset judgement • END input judgement • Automatic judgement (0 to 300 seconds in steps of 1 second)
Output function	<ul style="list-style-type: none"> • OK/NG output (Relay contact output rating: 30 V DC, 1 A, 125 V AC, 0.3 A) • Torque wrench selection signal output (Open collector rating: 100 mA)
Input function	<ul style="list-style-type: none"> • SELECT input×4 • START input • END input • RESET input • WORK SENSOR input
Timer function setting	<ul style="list-style-type: none"> • Double count prevention timer (0 to 10 seconds in steps of 0.1 second) • Automatic reset timer (0 to 60 seconds in steps of 1 second) • Interval warning timer (0 to 99 seconds in steps of 1 second)
Setting method	Special-purpose application software (USB communication), key operation
Working temperature range	0~40°C
Working humidity	Below 85%RH (no condensation)
Electricity Consumption [W]	Below 10
Power supply AC[V]	100~240V±10% 50/60Hz
Weight	Approx. 400g



Example

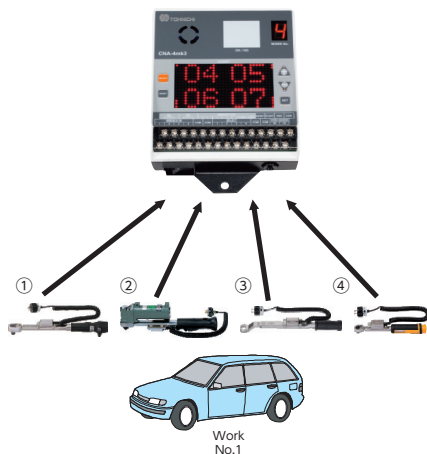
Case Example ①

- Setting 8 works
- 1 different torque wrench per each work



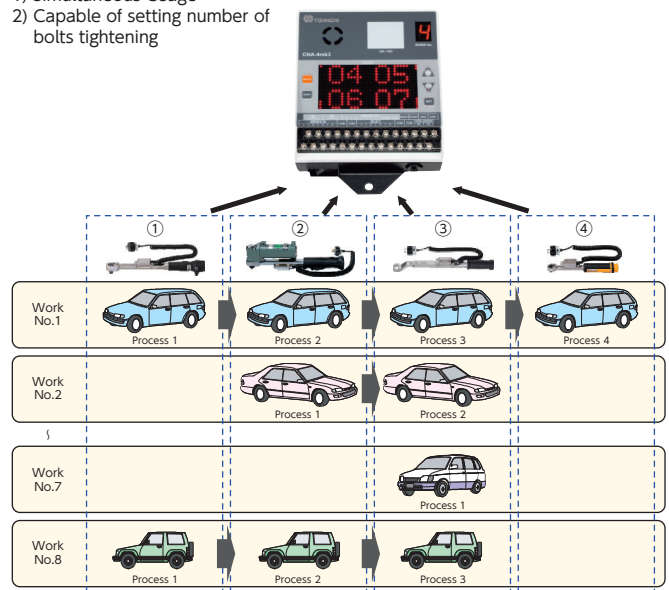
Case Example ②

- Setting Max. 4 LS Torque Wrenches per work
- 1) Simultaneous Usage
- 2) Capable of setting number of bolts tightening



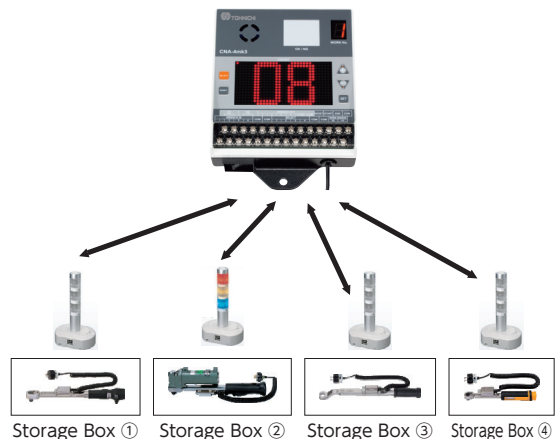
Case Example ③

- 4 torque wrenches for each work
- 8 works available
- 1) Simultaneous Usage
- 2) Capable of setting number of bolts tightening



Case Example ④

- Preventing wrong Pick-Up.
- 1) Capable of recognizing a correct torque wrench in accordance with lamp of storage box.



QLLS/CLLS

Wired Error-Proofing Torque Wrench



QLLS25N5



QLLS100N4

S.I. Model	Metric Model
QLMS2N-MH	20QLMS-MH
QLMS5N-MH	50QLMS-MH
QLMS10N-MH	100QLMS-MH
QLMS10N	100QLMS
QLMS15N	150QLMS
QLMS15N-MH	150QLMS-MH
QLLS25N5	225QL5MS
QLLS50N	450QL3LS
QLLS100N4	900QL4LS
QLLS140N	1400QL3MS
QLLS200N4	1800QL4LS
QLLS280N	2800QL3LS
QLLS420N	4200QL2LS

S.I. Model	Metric Model
CLMS2NX8D-MH	20CLMS-MH
CLMS5NX8D-MH	50CLMS-MH
CLMS10NX8D-MH	100CLMS-MH
CLMS10NX8D	100CLMS
CLMS15NX8D	150CLMS
CLMS15NX8D-MH	150CLMS-MH
CLLS25N5X10D	225CL5MS
CLLS50NX12D	450CL3LS
CLLS100NX15D	900CL3LS
CLLS140NX15D	1400CL3MS
CLLS200NX19D	1800CL3LS
CLLS280NX22D	2800CL3LS
CLLS420NX22D	4200CL2LS

Other LS Wrenches Available

- QLLS-MH
- PQLLS
- QSPCAL5
- CLLS-MH
- PCLLS
- SPLS
- TiQLLS
- QSPLS
- RSPLS
- CSPLS
- SPLS-MH

FH256MC

Wireless Error-Proofing Torque Wrench System



QLFH25N5



QLFH25N5



QLFH100N4



I/O-FH256 Multi I/O Box

FH Torque Wrench Example Transmitter

Model	Description	Dimension(mm)
T-FH256MC	Transmitter for FH256MC	W36 X D80 X H18
T-FHLS256	FHLS256 Transmitter for LS type wrench	W32.4 X D56 X H22.3

S.I. Model	
QLFH25N5	QLFHLS25N5
QLFH50N	QLFHLS50N
QLFH100N4	QLFHLS100N4
QLFH140N	QLFHLS140N
QLFH200N4	QLFHLS200N4

Receiver

Model	Description
R-FH256	Output: No-Voltage contact output (1a), RS232C Size: W150 X D210 X H51 (mm) , Weight: 1.7kg Power: AC100V-240V, 47-63Hz

Multi I/O Box

Model	Applicable Model	Specification
I/O-FH256	R-FH256	Output: No-Voltage contact output (1a) x4, Power: AC100-240V

RTDLS/RNTDLS

Wired Error Proofing Torque Driver



RTDLS120CN



RNTDLS120CN

RTDLS/RNTDLS

Accuracy ±3%

S.I. Model	Torque Range [cN · m]		Metric Model	Torque Range [kgf · cm]		American Model	Torque Range [lbf · in]		Overall Length [mm]	Weight [g]
	Min.-Max.	Grad.		Min.-Max.	Grad.		Min.-Max.	Grad.		
RTDLS120CN	20-120	1	12RTDLS	2-12	0.1	RTDLS10I	2-10	1	184	340
RTDLS260CN	60-260	2	26RTDLS	6-26	0.2	RTDLS22I	6-22	2	201	450
RTDLS500CN	100-500	5	50RTDLS	10-50	0.5	RTDLS40I	10-40	5	212	540
RNTDLS120CN	40-120	-	-	4-12	-	-	4-10	-	166	320
RNTDLS260CN	100-260	-	-	10-26	-	-	10-22	-	167	390
RNTDLS500CN	200-500	-	-	20-50	-	-	20-40	-	175	480

1. Bits are sold separately.
2. RNTDLS models are required a torque driver tester for torque setting. Please specify required torque when you order. (Ex. RNTDLS120CN x 100cN · m)
3. Limit switch specifications AC30V below 1A, DC30V below 1A.
4. Female connector for LS cable is sold separately. Part# WA5219K.

Your Torque Partner **TOHNICHI**

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