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**
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

<table>
<thead>
<tr>
<th>Feature</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Count Display</td>
<td>16 x 32 dot-matrix LEDs</td>
</tr>
<tr>
<td>OK/NG Judgement Display</td>
<td>30 x 25 square display lamp (commonly used for OK/NG)</td>
</tr>
<tr>
<td>Work No. Selection Display</td>
<td>1-digit 7-segment LED</td>
</tr>
<tr>
<td>Count Input</td>
<td>Contact input x 4</td>
</tr>
<tr>
<td>Max. tightening number of bolts</td>
<td>99 counts</td>
</tr>
<tr>
<td>Max. number of works</td>
<td>8 sets</td>
</tr>
<tr>
<td>OK/NG judgement setting</td>
<td>Preset judgement, END input judgement, Automatic judgement (0 to 100 seconds in steps of 1 second)</td>
</tr>
<tr>
<td>Output function</td>
<td>OK/NG output (relay contact output rating: 30 V DC, 1 A, 125 V AC, 8.5 A)</td>
</tr>
<tr>
<td>TORQUE wench selection signal output (Open collector rating: 100 mJ)</td>
<td></td>
</tr>
<tr>
<td>Input function</td>
<td>SELECT input x 4, START input, RESET input, WORK 5SENS/OK input</td>
</tr>
<tr>
<td>Timer function setting</td>
<td>Double count prevention timer (0 to 10 seconds in steps of 0.1 seconds)</td>
</tr>
<tr>
<td>Interval warning timer (0 to 99 seconds in steps of 1 second)</td>
<td></td>
</tr>
<tr>
<td>Setting method</td>
<td>Special-purpose application software (USB communication), key operation</td>
</tr>
<tr>
<td>Working temperature range</td>
<td>0 ~ 40°C</td>
</tr>
<tr>
<td>Working humidity</td>
<td>Below 85% / 40% (no condensation)</td>
</tr>
<tr>
<td>Electricity Consumption [W]</td>
<td>Below 10</td>
</tr>
<tr>
<td>Power supply AC [V]</td>
<td>100 ~ 240V ± 10% 50 / 60Hz</td>
</tr>
<tr>
<td>Weight</td>
<td>Approx. 400g</td>
</tr>
</tbody>
</table>

### 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.
**Pokayoke Torque Wrench / Driver**

**QLLS/CLLS**
- Wired Error-Proofing Torque Wrench

**FH256MC**
- Wireless Error-Proofing Torque Wrench System

**Other LS Wrenches Available**
- QLLS-MH
- PQLLS
- QSPCAL5
- CLLS-MH
- PCLLS
- SPLS
- TIQLLS
- QSPLS
- RSPLS
- CSPLS
- SPLS-MH

**RTDLS/RNTDLS**
- Wired Error Proofing Torque Driver

### QLLS25N5
- S.I. Model: QLLS25N5
- Metric Model: 2QLLS25-MH

### QLLS100N4
- S.I. Model: QLLS100N4
- Metric Model: 10QLLS100-MH

### FH Torque Wrench Example
- QLFLHS/QLFH5S
- Transmitter: FH256MC
- Receiver: FHLS256

### RTDLS/RNTDLS Torque Wrench
- S.I. Model: RTDL5120CN
- Metric Model: 2RTDLS25
- American Model: RTDLS221

<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
<th>Dimension (mm)</th>
</tr>
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<tbody>
<tr>
<td>FH256MC</td>
<td>Transmitter for FH256 MC</td>
<td>W36 X D50 X H18</td>
</tr>
<tr>
<td>FHLS256</td>
<td>FHLS256 Transmitter for LS type wrench</td>
<td>W23.2 x 156.6 x 123</td>
</tr>
</tbody>
</table>

### Multi I/O Box
- Model: I/O-FH256
- Specifications: Output: No-Voltage contact output (1A), RS232C, Size: W150 X D210 X H51 mm, Weight: 1.7kg, Power: AC100V-240V, 47-63Hz

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**Your Torque Partner**

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