POKAYOKE
ポカヨケ

Portable Pokayoke Counter
Mobile Pokayoke Counter

TW-800R-MCL V2.00

This is a battery-powered Pokayoke receiver with a count feature that allows 'Pokayoke Anywhere' regardless of location where you need task count management at sites such as manufacturing, logistics, construction, etc.

Start Pokayoke Immediately

Pokayoke Possible Anywhere (Battery-powered)

Easy to Carry with Mobile Stand (Sold Separately)

Contents of Version (V2.00) Update

Additional Features in "Stand-alone Mode"
- Output task results data to LAN
- Counting-up
- JUDGE by work timer
- Sensor input to enable counting
- Work number display
- Automatic JUDGE ON/OFF setting
- Setting RESET-key disabled
- Setting to output PASS/FAIL continuously until RESET
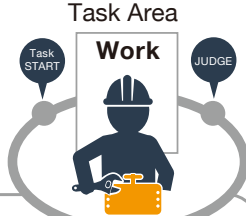
Newly Added Mode
- Simple count mode

  A mode that only counts up and does not JUDGE (counts up to 999 times)

■ Start Pokayoke Immediately

Using just one easy button operation, you can construct a Pokayoke system (task count management) with a tool (installed our Pokayoke transmitter). You can register one type of work with TW-800R-MCL*1.

1 Transmitter Support

Count
Note: When receiving a signal from a Pokayoke transmitter, it either counts down or counts up.

Task Area
Work
Task START
JUDGE

○Task Contents of a Work (Example)

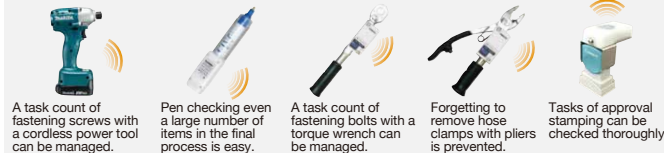|	
Specified Count Value	2 times
Tool Timer (Task time per tool)	No timer function
Work Timer (Task time taken per work)	40 Seconds

Buzzer Sound
PASS/FAIL

Task START
JUDGE

Task results data for each fastening is output to LAN.

The JUDGE is determined as either PASS or FAIL depending on any or all of the conditions of specified count value and work timer.

■ Various tools used at worksites such as manufacturing, logistics, and construction are compatible with this system.
- Check Pen S
- Cordless Power Tool
- Electric Screwdriver
- Torque Wrench
- Pliers Wrench
- Approval Stamp
- Cable Tie Gun
- Riveter
- The LOCTITE® hand pump and more

A task count of fastening screws with a cordless power tool can be managed.

Pen checking even a large number of items in the final process is easy.

A task count of fastening bolts with a torque wrench can be managed.

Forgetting to remove hose clamps with pliers is prevented.

Tasks of approval stamping can be checked thoroughly.

POKAYOKE plus
Ensuring Traceability of Tasks
Production Process Support Software for Pokayoke Tool

By linking with 'POKAYOKE plus' via LAN, the functions of TW-800R-MCL can be greatly expanded, such as sequence function, work execution reservation function, history management of task results for each work, registrable unlimited number of works, etc.

<Comparison of TW-800R-MCL/TW-800R-SCL>

	TW-800R-MCL	TW-800R-SCL
Power Source	DC 5V	AC 100-240 V (using included AC adapter)
Accessory	1 DC JUDGE Cable【DC-4017A】	1 AC Adapter【ADB24050】
Count Display	7-SEG LED 3-Digit ((W x H) 27 x 50 mm (1.1 x 2.0")/digit)	
Output	2 Power Transistor Outputs (1 PASS / 1 FAIL), Rated Load DC 24 V / 0.1 A	
Interface	RJ45 Ethernet 10BASE-T/100BASE-T, Full/Half Duplex, 'POKAYOKE plus' Compatible	
Input	5 Non-voltage Contact Inputs(1 JUDGE, 1 RESET, 3 Work-Select)	
Registrable Work Type Qty.	1 Type (more types possible with options*1)	
Main Features	·Operation Modes (Stand-alone / Simple count / App-interlock) Note: When using the TW-800R-MCL/TW-800R-SCL by itself, select either 'stand-alone' or 'simple count' mode. When using the TW-800R-MCL/TW-800R-SCL in combination with 'POKAYOKE plus', select 'app-interlock' mode. ·JUDGE (Number of Task Countdown / Count-up and Work Timer) ·Sensor Input (count valid only at sensor input) ·Timer Reset, Output Task Results Data to LAN, Work Number Display ·Sequence (manageable order of tool usage), Work Execution Reservation, History Management of Task Results for Each Work Note: Available in app-interlock mode	
Available Countries	Japan / Canada / USA / China / Thailand / Vietnam / Philippines / India	
Buzzer	Piezo Buzzer 90dB (at 0.1 m (3.9"))	
External Dimensions (W x H x D)	150 x 100 x 30 mm (5.9 x 3.9 x 1.2") (excluding protrusions)	
Weight	Approx. 290 g (10.2 oz)	

*1: Up to 8 work types can be registered by using the optional 'Input Cable for Work-select'. The registrable number of work types is unlimited by linking with 'POKAYOKE plus'.

■ Pokayoke Possible Anywhere (Battery-powered)

TW-800R-MCL operates with an input voltage of DC 5V.
By connecting the TW-800R-MCL to a Makita battery via the USB(A)/DC Adapter Cable (DC-4017A) (included), you can use the TW-800R-MCL as battery-powered.

USB(A)/DC Adapter Cable【DC-4017A】 + USB Adapter【ADP05】 + Makita battery

Note: USB adapter (ADP05) and Makita battery are not included. Please prepare separately.
Note: ADP05: Applicable batteries are slide-type Li-ion batteries 18 V/14.4 V (excluding light capacity batteries (up to 1.5 Ah)).

■ Easy to Carry with Mobile Stand (Sold Separately)

Mobile Stand【TW-MCLDS01】

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