

# Wireless machine for torque wrench tightening management

TW-510T·TW-510R(RW·RD·RDW)·TW-300R·TW-510C

**TW-510T**



## OUTLINE

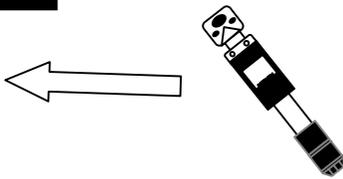
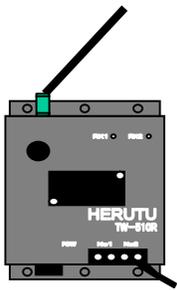
This machine is a transmitter and a receiver that changes the cable type torque wrench to the wireless type. The tightening completion signal from the limit switch is wireless transmitted from the transmitter installed in the torque wrench.

The receiver informs the worker of the tightening completion signal with the buzzer, and can manage the relay output with the possession computer and the sequencer.

## FEATURE

- 1 The transmitter power supply is an easy coin battery type to exchange.  
Moreover, it is possible to use it approximate 250,000 times (shots) or more because of low current consumption.
- 2 We use a high efficiency weak radio wave of 260MHz Zone and strongly realize high communication of reliability for a noise.
- 3 The antenna-built-in type is superior in handling (controllability)  
\*The dead point was able to be decreased further by the improvement around the antenna than our conventional model(TW200T).
- 4 The communication check before start of work is also possible according to the battery check function.
- 5 The ABS resin case mounted enables the dust & oil mist proof.
- 6 Two or more use is possible in the same area by 256 kind of ID setting.
- 7 The Torque wrench with Limit Switch (LS) currently being used can be easily remodeled into the wireless type.  
\*Depending on the type of torque wrench, transmitter may not be installed. Contact our sales office.

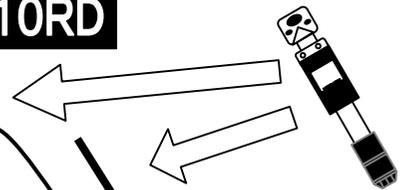
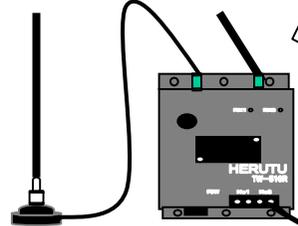
**TW-510R**



**Standard type**

99% of the introduction site is a combination of standards immediately and OK.

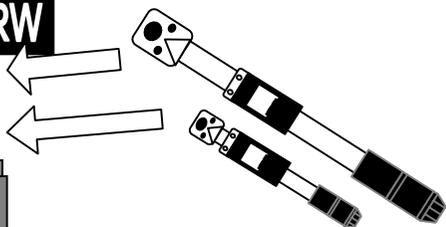
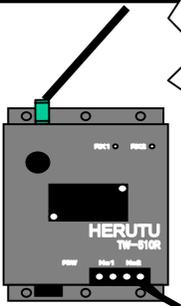
**TW-510RD**



**Diversity type**

The communication condition is OK also in the site of a bad condition.

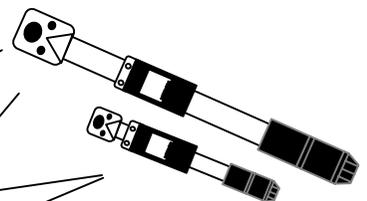
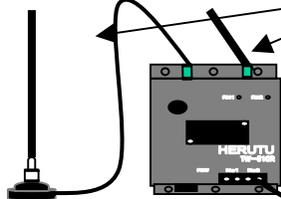
**TW-510RW**



**Two reception type**

Two different ID signals can be received.

**TW-510RDW**



**Two reception specification diversity type**

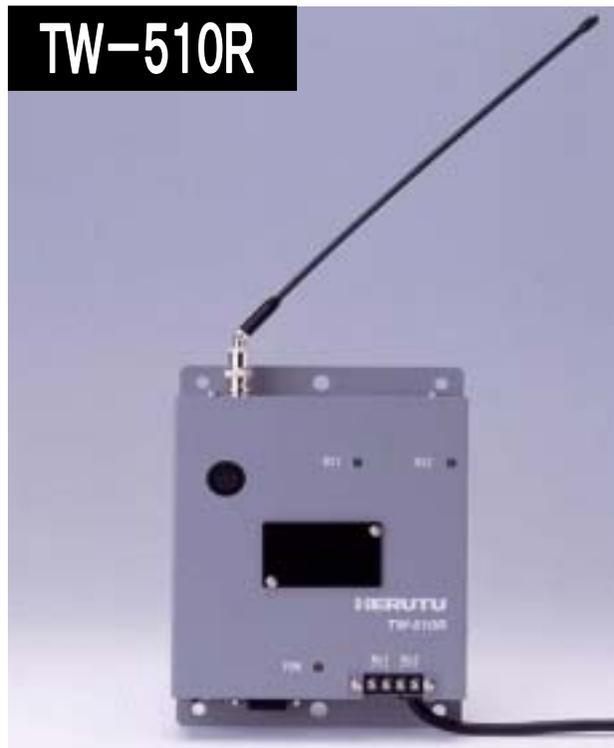
# DETAIL

## TW-510T



|                           |   |
|---------------------------|---|
|                           | TW-510T                                     |
| Frequency                 | 259.55MHz R2<br>259.65MHz R4                |
| Strength of electric wave | 3m distance 500 μV/m or less                |
| Transmission data         | 14bit/1frame<br>7frame transmission (1shot) |
| Input                     | limit switch*1<br>test switch*1             |
| Communication distance    | about 10m                                   |
| Working Environment       | 0 ~ 50 no dew drop                          |
| Power supply              | coin battery CR2032(3V)                     |
| Battery life time         | approximate 250,000 times (shots)           |
| Antenna                   | inside of case                              |
| ID set                    | 8bit dipswitch (256 kinds)                  |
| Display                   | Battery check display LED                   |
| Size/weight               | 32*71*17.5mm/40g                            |

## TW-510R



|                         |  |
|-------------------------|--|
|                         | TW-510R  |
| Frequency               | 259.55MHz R2·259.65MHz R4  |
| Power supply            | Power supply   |
| Power consumption       | 15W or less  |
| Working Environment     | 0 ~ 50 no dew drop   |
| Size/Weight             | 157.4W*177H*41Dmm about 1.1kg  |
| Number of receptions ID | Set One kind of 256 kinds  |
| Buzzer                  | Buzzer frequency:about 2.3kHz,<br>Volume:95db ± 10db (distance 1 m)<br>There is a directivity.   |
| Output                  | Relay point of contact output*1<br>Resistance load: AC250V5AorDC30V5A  |
| Set switch              | Rotary switch(10select)*2<br>1,For output time setting<br>2,For double count prevention time setting<br>Eight ream dip switch*3<br>1,For ID 1 setting/2,For ID 2 setting(RW)<br>3,For function setting |

|            |         |
|------------|---------|
| Price list | (¥)     |
| TW-510T    | 25,000  |
| TW-510R    | 69,000  |
| TW-510RW   | 95,000  |
| TW-510RD   | 105,000 |
| TW-510RDW  | 130,000 |

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