

UTM-1500 SERIES

UTM-1500 informs you of error by display and buzzer when all bolts are not tightened up firmly. This enables you to do "Pokayoke" for secure tightening.



UTM-1500(PS): Pressure Sensor Incorporated type
By connecting the TM signal hose from a tool to the coupler at the back of the controller, the pressure sensor incorporated in the controller converts the air pressure signal into the electric signal.



UTM-1500(CN): Connector Incorporated type
By connecting the pressure sensor (external pressure sensor assembly) attached to a tool to the connector at the back of controller, the controller supplies the power and loads the analog signal.

FEATURES

- Applicable to the pneumatic tools such as the oil pulse wrenches, impact wrenches etc., or the electric tools, UDP-TA series. (Tool should be modified into the TM type because the controller basically detects the back pressure.)
- Counting down the fastening number, error proofing by the display and buzzer.
- Easy parameter setup the controller by front key switches followed to the front panel LCD. (It is possible to setup the parameters through a personal computer as well.) *TM convertible model : Various kinds of tools can be converted into TM type. Please ask your local URYU distributor for details.

[FUNCTIONS]

- Easy setup for the pressure values by the automatic setup future.
- Up to 1500 tightening time and judging data points stored.
- Each buzzer volume level of fastening recognition, panel and NOK operation adjustable.
- Work select feature available for four different works with different numbers of fasteners.
- By equipping the external input/output terminal block (free format), inter lock with the line is possible.
- Parameters receivable/ transmittable, and wave data, memory data and the total numbers of fasteners receivable through PC.(Total numbers of pulse receivable in usage of the external pressure sensor assembly.)
- Measurement and display of the fastening time possible for the shut off tools.
- External pressure sensor assembly equipped for UTM-1500(CN) enables to count the pulse number so that the pulse number control becomes possible other than the fastening time control. (The pulse number cannot be detected sometimes depending on a tool or working conditions.)
- Total maintenance determined the total numbers of fasteners or pulse possible. (external pressure sensor assembly needed.)

UTM-1500 (RA) : Rack Type



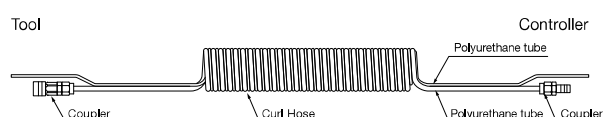
Model	Voltage & Frequency	Operating ambient temperature & humidity	Dimensions mm(in)	Weight Kg(lb)
UTM-1500A/E (PS)	115V / 230V 50Hz / 60Hz	0 - 50 degree (no freeze) less 90%RH (no dewfall)	200 × 210 × 100 (7 7/8 × 8 17/64 × 3 15/16)	2.0 (4.47)
UTM-1500A/E (CN)				2.0 (4.47)
UTM-1500A/E (RA-PS)	115V / 230V 50Hz / 60Hz	0 - 50degree (no freeze) less 90%RH (no dewfall)	280 × 220 × 420 (11 1/32 × 8 21/32 × 16 17/32) (c/w rack)	6.4 (14.15)
UTM-1500A/E (RA-CN)				6.4 (14.15)

* TM convertible model : Various kinds of tools can be converted into TM type. Please ask your local URYU distributor for details.
UTM-1500A is the 115V use, while UTM-1500E is the 230V use.

OPTION

Twin Spiral Hose Assembly

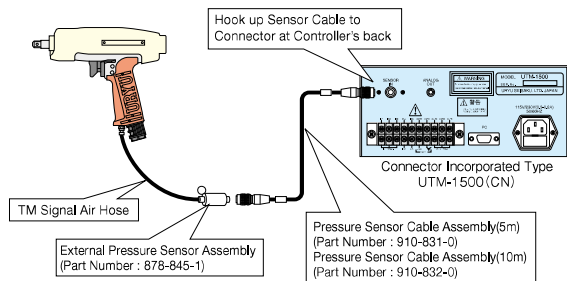
Twin Spiral Hose Assembly : Please ask your local URYU distributor for details.



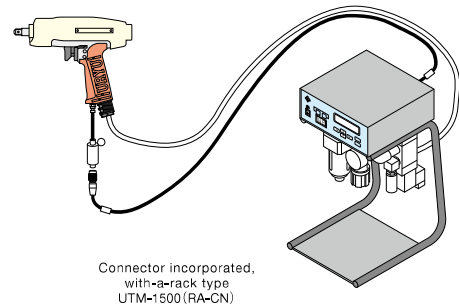
TM Tool Connection

Shut-off Tool

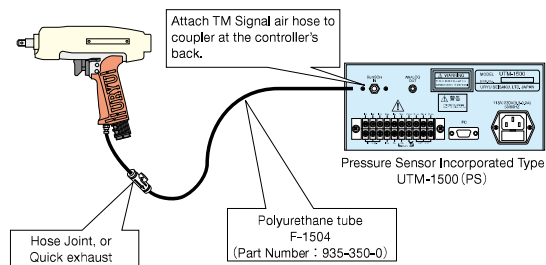
- UTM-1500(CN) & External Pressure Sensor Assembly
*Please place the external pressure sensor assembly to a tool as close as possible.
In use of the pulse number count, external pressure sensor assembly should be attached near a tool handle.



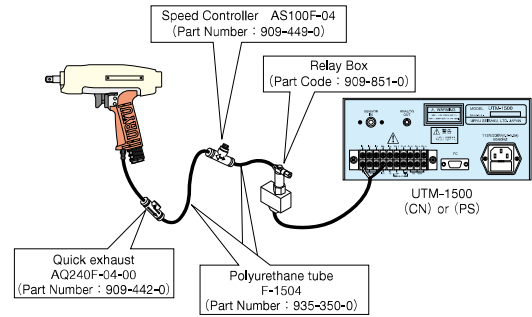
- UTM-1500(RA-CN) & External Pressure Sensor Assembly
*Same wiring as in the case of UTM-1500(CN) & External Pressure Sensor Assembly (left figure)



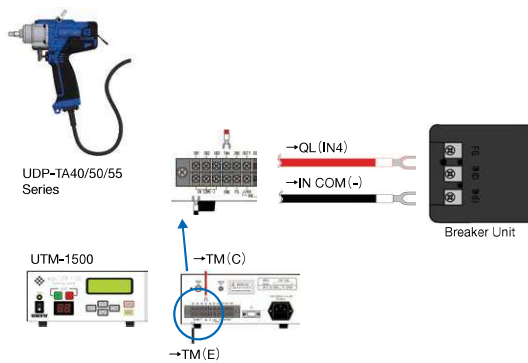
- UTM-1500(PS)



- UTM-1500(PS) or (CN) & Relay Box Assembly



- UDP-TA Series & UTM-1500



Non Shut-off Tool

- UTM-1500(CN)
Solenoid valve is incorporated in the rack type, UTM-1500(RA-CN), so that you only need to connect a tool to controller.
- UTM-1500(PS)
Referring to the right layout, please connect the TM signal Hose(φ4) from a tool to the connector at the back of the controller.

