

SCREW COUNTER

TOKii-04SCBS

For ASA BS Series Tools

TOKii[®]



- Screw counts: 1-99 Nos.
- Total no of screw complete in operation will display with user selectable to reset once power button on off.
- Reset Button on front Panel as well as signal from NPN sensor or N.O.switches .
- Bypass Button on front Panel as well as signal from NPN sensor or N.O.switches.
- Reset and Bypass buttons can be enabled and disable by keypad Lock with 6-digit key.
- Selectable reset to zero or resent to last fail count. (if timing function complete job this will not work)
- Each screw complete with beep signal and long beep on complete of job for audible support for operator (on/off is programable)
- Counter can be completely bypass and used as simple supply.
- Total 3 No of Inputs which can be configured to use either NPN or PNP sensor or N.O switches.
- The 3 Inputs can be Configured in total 8 configurations as follows:
 - I. 2 Inputs (always on)
 - iii. 3 Inputs (always on)
 - iv. 1 (always on) + 1 (pulse)
 - v. 2 (always on) + 1 (pulse)
 - vi. 1 (always on) + 1 (pulse) + 1 (Emergency)
 - vii. 1 (always on) + 1 (Emergency)
 - viii. 2 (always on) + 1 (Emergency)
- Total 3 No of Outputs can be configured to be used as either
 - I. PASS, FAIL, EACH SCREW PULSE
 - ii. CLAMP LOCK, CLAMP UNLOCK, EACH SCREW PULSE
 - iii. PASS Pulse, FAIL Pulse, EACH SCREW PULSE
- Counting can be configured to be UP or DOWN i.e. 1 2 3 ... or 3 2 1....
- Programmable Max Runtime (min 1sec.) can be configured to stop screwdriver in case it overruns or thread get free.
- JOB ID function with 16 different JOBS can be configured. All Jobs can have different set of configurations for all the parameters of counter.
- Min Timing Configuration can be used to set the screwdriver minimum timing so that mis-counting can be avoided.
- OTA Update capable, in case of problems or future upgrades, the firmware can be updated via wi-fi at customer end. In cases where, only software needs to be updated or software problem need to be resolved.
- All parameters of counter can be factory reset to defaults.
- Counter displays parameter settings number on screen at all times to get all the settings done by user. This is useful in troubleshooting problems.
- When Running Counter also displays shows indication for screwdriver start and torque signal also useful for troubleshooting whether signal of start and torque from screwdriver is coming or not.
- All the Input Outputs are brought out at back with High Quality Plugin Terminals for easy changing.
- Easy 3 Button Interface with High-Quality Long-life buttons for long term robust use.
- Dimension 265mm (D) X 162 mm (W)X 120mm (H), 158mm height with Handle

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Timing Function

1. Timing Feature for Screw timing.
2. In Timing Feature Tolerance can be set in % for $\pm$ tolerance of screw fastened.
3. Timing Feature has 3 types of Configurations as follows:
 - i. ALL: In this counter checks timing of all the screws and after all screws fastened it will check if total time is within tolerance, then job will pass else fail. (**Resent to error will not work**)
 - ii. EACH: In this the counter checks timing of each screw as and when it is fastened, if a particular screw is fastened at a timing not within tolerance, then job will fail.
 - iii. Partial Tightening: In this configuration a screws total length is trained then after that in the tolerance we set the % of how much length we need to fasten then the counter will fasten partially the screw till that length and stop. (in this case as torque signal is not used so user must ensure they are fastening the screw and not running the screw driver in air). **Torque display function will not work in this function.**

Torque Display / Tool Validation

1. Torque Display System
2. Torque Unit can be set in Kgf.cm only
3. Set Torque Value can be set for the desired torque the user requires for particular job
4. After Torque System is enabled, user will need to train torque with 15 torque values from torque meter. (if tool give more variation of set value, then counter doesn't allow to use function as this means tool has problem and need to correct.) any input out of tolerance, counter will give invalid input and demand for input again.
5. Torque Display system does not work with JOB ID.
6. Torque Display system will reset its training in case torque value is changed, in case torque unit is changed or in case if user turns on JOB ID. Then user will need to train torque again.

APT-30DC For BS series

APT-30DC-TS extra torque signal for automation available on request

APT-70S-SB for ASA-9000 series



- A very Heavy duty Power supply design for ASA screwdriver with signal output which will help to use screwdriver with PLC unit for automation
- Dimension 230mm (D) X 145 mm (W) X 115 mm (H), 153 mm height with Handle