TLS1/CAR

TLS1 Positioning Arm

The TLS1 Arm is an "intelligent" system that error-proofs your assembly ensuring that every screw is in the correct location at the right torque. Assembly sequences and X-Y coordinates are easily programmed with user interface screens through the keypad from the intuitive menu. Torque programs are automatically selected and enabled from the screwdriver controller based on the TLS1 Arm locations and current sequence step. No PC is required. A fixture to hold your work in the same place every time is highly recommended.

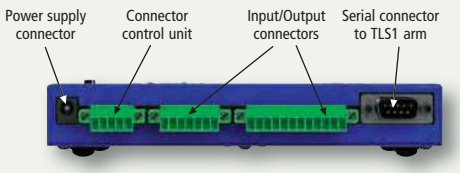
The TLS1/CAR Arm consists of a torque reaction arm with an encoder mounted at the pivot point and with a linear metering resistor. The encoder records the angle and the linear resistor records the distance. The TLS1 Control Box converts the angle counts of the encoder and the distance detected by the resistor to the precise X-Y position of the screwdriver. X-Y accuracy can be set by the operator according to each application.

TLS1 arm includes cable for EDU1FR/SG (code 260003/1) or EDU2AE and EDU1BL/SG (code 260004/1) controllers.

Main features:

- 8 available programs.
- Up to 35 screws per program.
- Screw position (length/angle).
- Programmable tolerance.
- Statistics.
- Manual reset.
- Password protected.
- Units of measurement (mm, in).
- Language option.
- Accuracy: length ±1 mm; angle ±1°.
- External keyboard and serial port for easy programming and reporting.

TLS1 BOX



KOLVER

TLS1 POSITIONING ARMS

TLS1/LINAR1

TLS1 with Linear Arm

The new error proof positioning arms TLS1/LINAR1 and TLS1/LINAR2 work just like LINAR1 and LINAR2 with the addition of positioning sensors for a real time feedback on the position of the arm, which is very useful for default calibrations. Max torque and reach are the same as LINAR1 and LINAR2 respectively.
Adapter code 234545 is required for screwdriver model PLUTO35 and PLUTO50.

TLS1/LINART

TLS1 with Folding Arm

The new error proof positioning arm TLS1/LINART features a folding arm for extreme flexibility and accuracy. Thanks to the positioning sensors you can have a real time feedback on the position of the arm, which is very useful for default calibrations. Max torque and reach are the same as LINART.

All TLS1 arms are supplied standard with TLS1 Unit version 2.00, which adds new features to the existing software and provides different minimum distances between screws at maximum arm reach (see chart below).

Model	Code	Max Torque Nm	Dimensions mm Min	Dimensions mm Max	Min distance between screws at the max arm extension
TLS1/CAR281	010663/TLS1	25	500	950	9 mm
TLS1/CAR282	010664/TLS1	25	750	1670	15 mm
TLS1/CAR501	010665/TLS1	50	500	950	9 mm
TLS1/CAR502	010666/TLS1	50	750	1670	15 mm
TLS1/LINAR1	010681/TLS1	25	272	653	6 mm
TLS1/LINAR2	010682/TLS1	50	272	653	6 mm
TLS1/LINART	010683/TLS1	25	114	740	7 mm

To be used with:
260004/1Cable TLS1 for EDU2AE + EDU2AE/TOP + EDU1BL/SG
260003/1 Cable TLS1 for EDU1FR/SG

WESTEC® - Sales & Services In India

Office No. 12, 1st Floor, Hermes Atriam,
B Wing, Plot 57, Sector - 11,
CBD Belapur, Navi Mumbai - 400614

Mob: 98210 32720 | Tel:+91-22-2756 6533
Telefax: +91-22-2756 6534 | Website- http://westec-india.com
Email: team@westec.in