

Series **STC**

TOOL CALIBRATOR TORQUE SENSORS

Reference Guide

GENERAL

Carefully remove the sensor from its packaging and inspect for any damage.

The sensor is shipped ready to use. No assembly is required.

Series STC torque sensors work in conjunction with the BGI force/torque indicator for instantaneous, average, and peak torque measurements. Simply plug the 15-pin connector into the external sensor connector on the indicator.

Please note that all calibration data and menu selections programmed and saved during setup with the BGI are saved within the sensor. While this allows for interchangeability, each sensor must be programmed separately.

The sensor can be mounted on any of its 6 surfaces utilizing the provided #10-32 tapped holes.

In order to extend the life of your unit, avoid repetitive shock and impact loading.

<i>Model</i>	<i>Capacity x Resolution</i>	<i>Safe Overload % of Capacity</i>
STC10Z	10 x 0.01 ozin, 7 x 0.005 kgFmm, 7 x 0.005 Ncm	300
STC20Z	20 x 0.02 ozin, 14 x 0.01 kgFmm, 14 x 0.01 Ncm	
STC50Z	50 x 0.05 ozin, 36 x 0.05 kgFmm, 35 x 0.05 Ncm	
STC12	12 x 0.01 lbin, 140 x 0.1 kgFmm, 135 x 0.1 Ncm	150
STC50	50 x 0.05 lbin, 580 x 0.5 kgFmm, 570 x 0.5 Ncm	
STC100	100 x 0.1 lbin, 1150 x 1 kgFmm, 1150 x 1 Ncm	

Accuracy: $\pm 0.35\%$ FS + BGI

Operating Conditions:

Temperature: 40°F - 110°F [5°C - 45°C]

Humidity: 96% max. (no condensation)

DIMENSIONS AND SPECIFICATIONS

in [mm]

