



Model Number	STS-SC2-4
Block Size	10.16cm (4") Aluminum Block - Drilled to Accommodate 3/16" (0.1875") Reference Probe
Temperature Range	Ambient to 350 °C
Size	30.48cm (12") x 25.40cm (10") x 35.56cm (14")
Weight	8.62 kg (19 lbs.)
Stability	Better than 0.05 °C (over 30-minute period)
Resolution	0.1 °C
Accuracy	Better than ± 2.0 °C
Uniformity	Better than ± 0.5 °C
Fast Cool	200 °C in ~ 40 minutes
Warm-Up Time	100 °C in ~ 10 minutes 300 °C in ~ 20 minutes
Interface	RS-232 Interface and iTools
Power	110VAC, 10amp, 50/60Hz (Available in 240VAC; Denoted by adding -2 to base part number (Ex: STS-SC2-4-2))

The long-time trusted reliability of EDL's Surface Transfer Standard (STS) Calibrators / Verification Stations are now available with an extra-large 10.16cm (4") Aluminum testing block, big enough to accommodate virtually any surface sensor. The Aluminum block is precision machined and allows for repeatable calibrations at any temperature from Ambient up to 350 °C. This uniform testing surface ensures the absolute best and most consistent possible conditions for verifying your sensors. The entire unit weighs ~ 20lbs., and was designed with the user in mind. With an accuracy of better than ± 2.0 °C, the STS-SC2-4" calibrator allows you to verify any surface probe, thermistor, RTD, or thermocouple – regardless of its' size. Stability is within 0.05 °C.

All EDL STS Calibrators are available as a complete Reference System. The Reference System allows you to achieve the highest accuracy readings available by utilizing a calibrated reference sensor and pyrometer alongside the STS. This allows you to compare the two readings to ensure accurate results. As a standard, the block is drilled to accommodate a 3/16" (0.1875") Reference Sensor (additional diameters available, please inquire for pricing).

The 4" block allows you to easily test sensors simultaneously, and with greater accuracy and stability than what's attained by using a traditional hot plate. The STS-SC2-4 allows you to accomplish laboratory grade verifications in a small and portable package – ideal for use in the lab or in the field. Easy to use and easy to maintain, this calibrator allows you to achieve accurate and repeatable verifications of your surface sensors. Simply plug the unit in, set your temperature and begin your testing. Demonstration videos are available.

The large mass of the 4" block produces stable and uniform readings. Milled and ground to the finest surface quality available, you will get repeatable results each time you test. The STS offers the maximum thermal conductivity available. Since the STS reaches its set operating temperature quickly, you can easily change temperatures and test at multiple points throughout one work day. These calibrators utilize high-quality controllers with a resolution of 0.1 °C. As an added bonus, the STS may be controlled from any PC equipped with iTools; software is included with your purchase. The STS is available in 120VAC and 240VAC versions.

