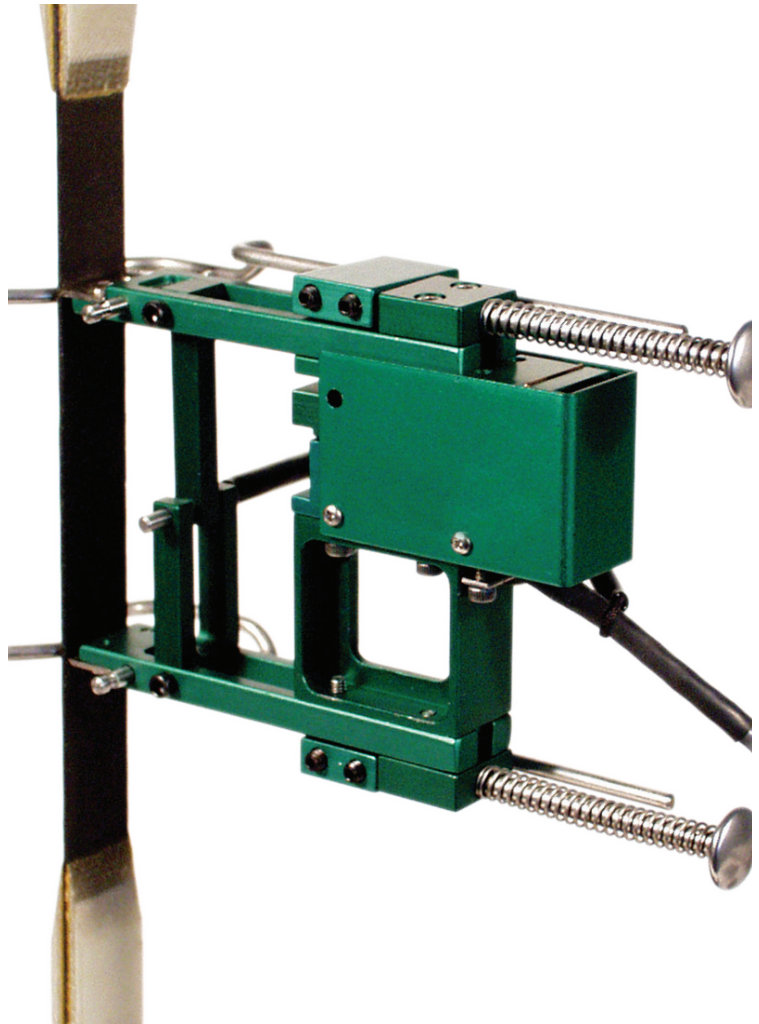


## Model SG Strain gage type extensometer

**Compatible with**  
Tinius Olsen ST and  
SL series of materials  
testing systems

**Gage lengths**  
25 to 80mm or  
0.5 to 2inches



- + Mechanical overtravel stops in both directions
- + Cable stops are used for overtravel where required. Cable stops are contained fully between the arms of the extensometer and do not hang below, where they can interfere with fixturing - especially during compression testing.
- + Standard units meet existing ASTM class B-1 and ISO 9513, class 0,5 requirements for accuracy
- + Hardened tool steel knife edges are easily replaced. A spare set comes with every extensometer.
- + Temperature options extend from as low as -265°C (-450°F) to 200°C (400°F)
- + Includes high quality foam case
- + Replaceable arms and spacers for ease of repair. This also allows changing the gage length for different test requirements
- + Standard quick attach kit allows one hand mounting to specimens.

# Strain gage type extensometer

Extensometers measure strain, the change in length of a specimen divided by the original length (gage length) of the specimen. An extensometer measures strain by means of knife edges which contact the sample. This series of extensometer comprises strain gaged devices. The models in this series of extensometer can be used to measure either longitudinal or transverse strain, or can be used in combination for determining 'r'-value and Poisson's ratio.

Key advantages of using strain gage type extensometers are as follows:

- + Can be left on specimen through failure
- + Lightweight to minimize any influence on the test
- + Low operating force
- + Rugged construction to withstand rigors of operation.

## TO order numbers

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Strain gage extensometer

### SG models - Imperial units

Model	Measuring range	Gage length	Direction
SG-20%-2	20%	2in	Longitudinal
SG-20%-1.4	20%	1.4in	Longitudinal
SG-20%-1	20%	1in	Longitudinal
SG-20%-0.5	20%	0.5in	Longitudinal
SG-50%-2	50%	2in	Longitudinal
SGT-10%-1	±0.1in	0 to 1in	Transverse

### SG models - Imperial units

Model	Measuring range	Gage length	Calibrated ranges
SGM-20%-50	20%	50mm	Longitudinal
SGM-20%-25	20%	25mm	Longitudinal
SGM-20%-80	20%	80mm	Longitudinal
SGM-50%-80	50%	80mm	Longitudinal
SGM-50%-50	50%	50mm	Longitudinal
SGM-100%-50	100%	50mm	Longitudinal
SGMT-10%-25	±2.5mm	0 to 25mm	Transverse