

SML-SC/F SML-SC/Y

Low cost Extensometer set for strain measurement on tie bars

The low cost extensometer set of the type SML-SC measures the strain on tie bars or round profiles. Thereby one module is placed exactly opposite the other and fixed by two small stainless steels bands.

The low cost extensometer set can be adapted very easy to different diameters by changing the appropriate length of the steel bands. The applied press-on technology allows to mount and dismount this measuring system without destroying the used strain gauges by bonding or similar operations.

There are 2 version:

SML-SC/F with fix cable and connected to ILA/2amplifier which is idea for online clamping force control.

SML-SC/Y with Y connecting cable, and connect to monitor SML-DM4D or DM1D for machine tie bar alignment.

Due to the simple way of mounting the extensometers, as well as to the high precision and industry confirm execution, these extensometer sets can be used for strain and force measurements. they are excellent for molding and die casting machine manufactures.

Features:

Very easy installation. Used for traction, compression and torsion measurements.

Accuracy better than 0.5%.

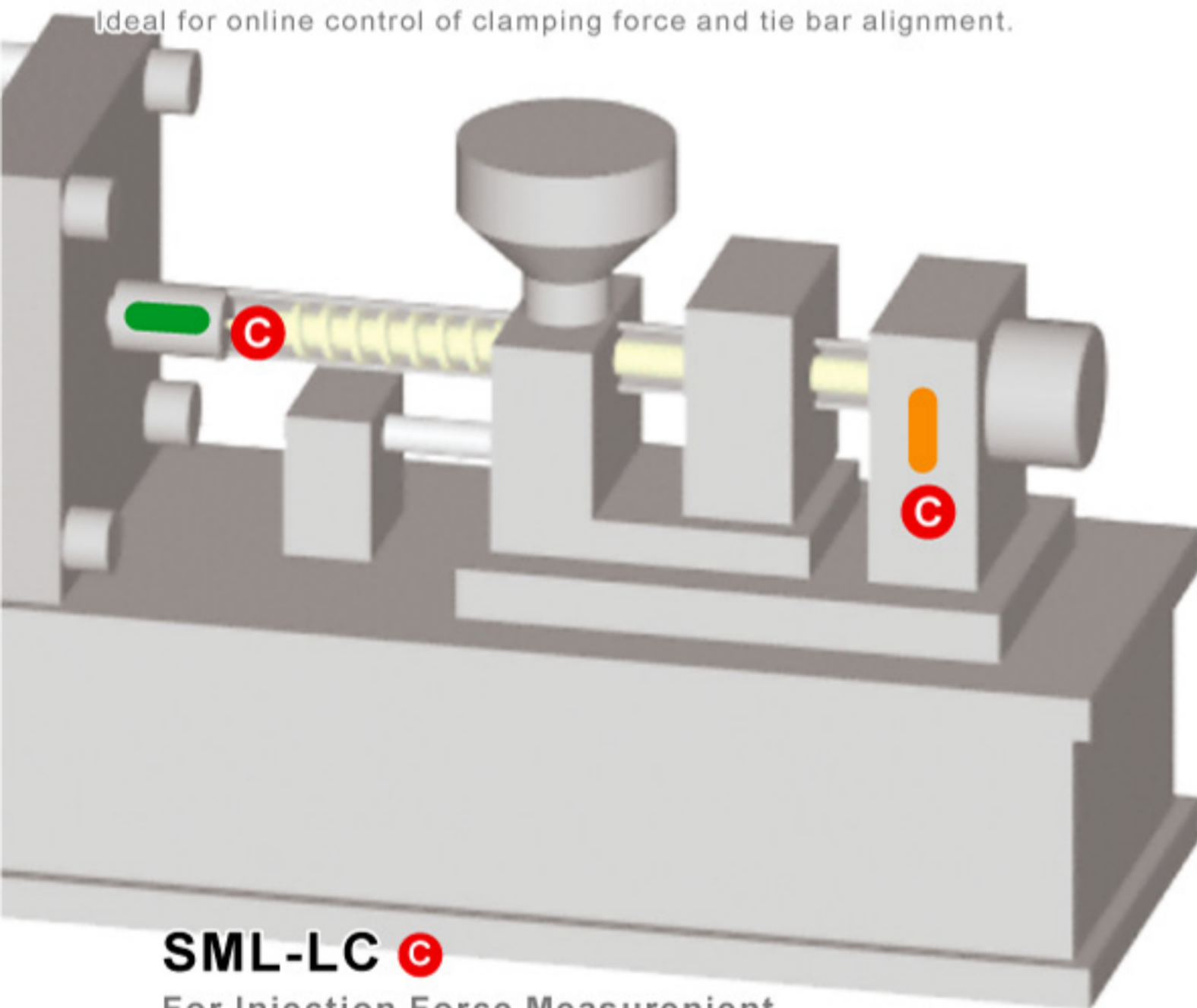
To measure tie bar diameter rang 40..500mm

Uniform gauge factor.

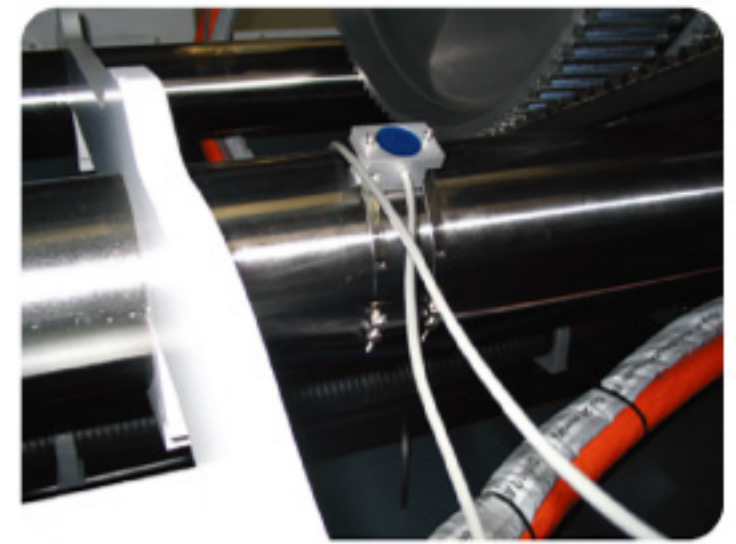
Available with incorporated amplifier(0...10 V or 4...20mA)

Needs no further calibration,

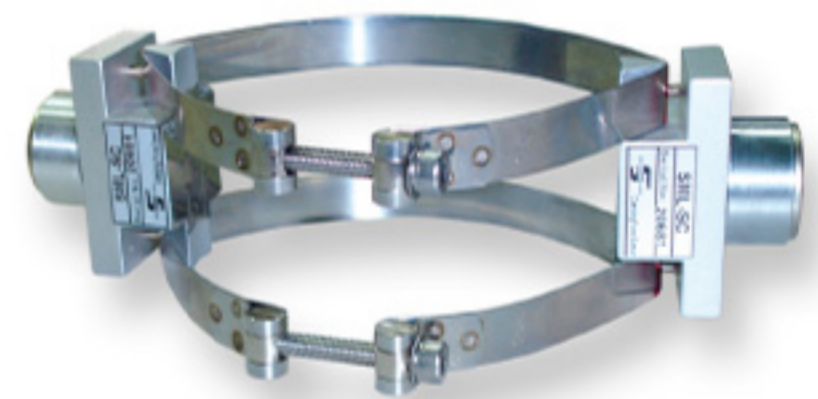
Ideal for online control of clamping force and tie bar alignment.



SML-SC/F



SML-SC/Y



SML-LC

For Injection Force Measurement

The best place to measure the Injection Pressure is theoretically in the screw antechamber. As this location is very exposed, the measurement of the injection Force with load cells behind the screw is today the widely accepted solution.

Our load cells with integrated amplifiers are used in many such applications and allow precise measurement of the Injection Pressure and even the Back Pressure.

TECHNICAL DATA:

- Accuracy < 1%
- Repeatability < 0.2%
- Output@ FS 10Volt or 4...20mA

ADVANTAGES:

- Customized design
- Choice of signal outputs
- Integrated amplifier
- Rugged industrial design

