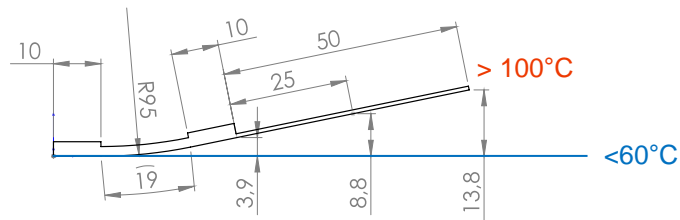


# Datasheet Actuation Module: *Curve*® unplugged 1910M



- Active length: 19 mm
- Module size: 39 mm x 10 mm x 2.5 mm
- Bending: medium (M)
- Module weight: 1.3 g

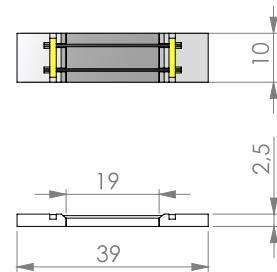
## Hosting structure and actuation module



- Example hosting structure: stainless steel 0.45 mm
- Load range with minor reduction of deflection and high cycling stability (>200 000)

at module edge:	171 g
at 25 mm:	92 g
at 50 mm:	63 g

## Actuation module



- Operating mode: **unplugged**
- Thermal activation by: external heating
- Possible external heating: convection, radiation, conduction
- Maximum temperature: 130°C

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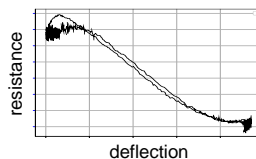
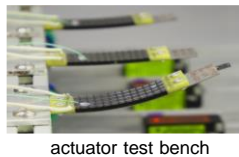
All values are only estimations!

## Customized high performance actuation modules by ...



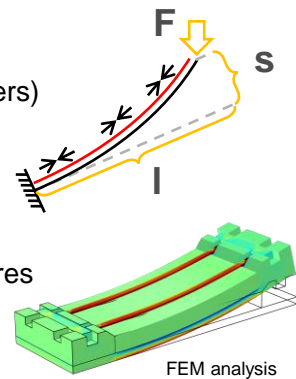
### ... high-tech solutions

- reliable load transfer
- proven cycle stability
- injection molded frame elements
- special SMA material specifications
- high temperature FRP
- self-sensing capability



### ... individual design

- substrate (metals, polymers)
- size
- deflection
- load / cycles
- wire material / temperatures
- electrical resistance



### ... customized mechanical fixation

- adhesive films
- liquid adhesives
- bolts, rivets, screws
- plug-on

### ... various electrical connection

- crimping
- soldering
- plugging in
- welding



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