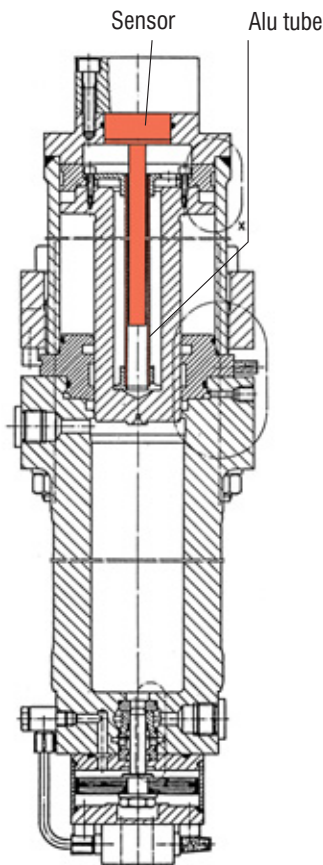


Dosing systems for high-viscosity glues

In the automotive industry piston dosing systems are used for glueing car windscreens and windows. These dosing systems supply the high-viscosity glue to the application gun in an exactly controllable way. The volumetric flow control required for this purpose is achieved by means of a suitable long-stroke sensor in the hydraulic cylinder. The travel signal of the piston is differentiated, and the speed signal deducted from this is supplied to the closed-loop control circuit. The filling volume is determined through the position of the piston.

Principle



Technical Details

- Measuring range: 100, 160 or 200 mm
- Accuracy: 0.3 % FSO
- Resolution: 0.01 % FSO

Ambient conditions

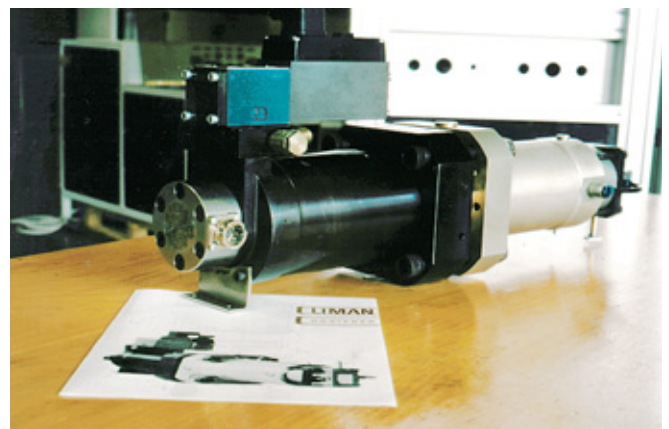
- Temperature: 0 - 75 °C
- Medium: oil
- Oil resistant and pressure proof up to 450 bars

System configuration

- EDS160-F-SRB-I Long stroke displacement sensor
- EDS250-F-SRB-I Long stroke displacement sensor

Reasons for choosing the system

The EDS eddy-current long-stroke sensors measure the piston travel or the piston position in the piston axle with high accuracy and reliability, and without wear.



Pic: Fa. Hans Liman, Solingen