



## Pressure Measurement in the Automotive Industry

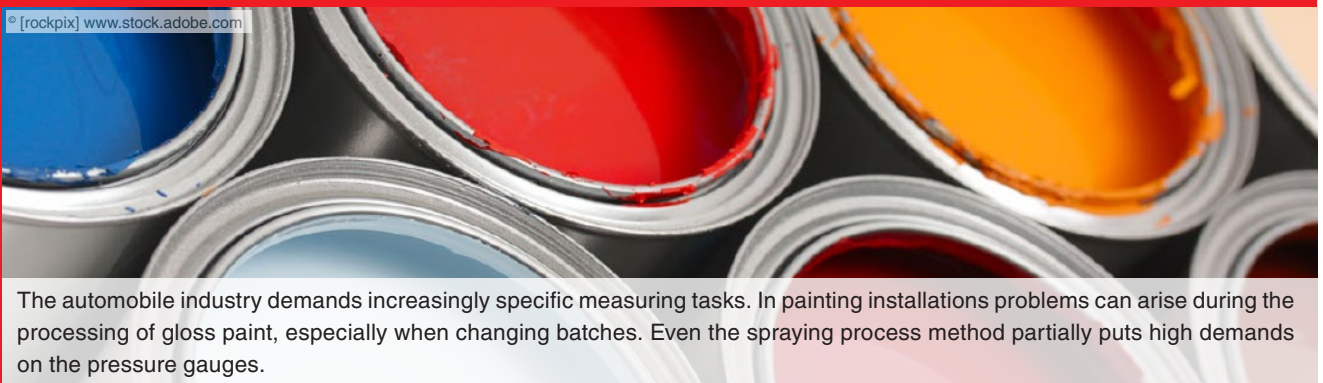


### Application:

## In-line seals for pressure measurement on painting installations

for manufacturers of painting installations, motor vehicles and other surface coatings

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The automobile industry demands increasingly specific measuring tasks. In painting installations problems can arise during the processing of gloss paint, especially when changing batches. Even the spraying process method partially puts high demands on the pressure gauges.

### The problem:

Gloss paint is a medium that should stick well on surfaces, but not in the painting installations. Deposits could lead to a mixture of the products that is not desired. When changing the colour, e.g. from red to white, it has to be guaranteed that a pure white is produced and not pink. Therefore, the paint should run from the tank to the spray gun through pipes that are crevice-free, smooth and easy to clean. During electrostatic (ESTA) painting, the colour particles are applied by electrical high tension.

### Our solution:

We use in-line seals which are suitable for measurements free of dead spaces. So-called pigs can remove the paint from the piping system completely. Thus, when changing the colour, the piping system can be cleaned more easily. Disturbing dead spaces are mostly avoided. These in-line seals are specifically designed to meet the special requirements of our customers, also when it comes to silicone.

In general, the versions are silicone-free.

These instruments are entirely free of paint-wetting impairment substances (PWIS-free).

Upon request we can deliver high-voltage-proof in-line seals.

### Measurements free of dead spaces: RDM 7680

- ◆ Can be complemented with Bourdon tube pressure gauges and electric transmitters
- ◆ Process connection: cutting ring fitting
- ◆ Silicone-free version
- ◆ Nominal pressure PN 250
- ◆ Special version, e.g. with capillary line, upon request

