

## Manufacturer's Declaration

Manufacturer LABOM Mess- und Regeltechnik GmbH  
Im Gewerbepark 13, 27798 Hude, Germany

### Measuring devices with hygienic design for operation in sterile and aseptic production areas

For type series All types with the coding HY, HY04 or HY06

All Labom products with the coding

**HY, HY06 or HY04**

are particularly suitable for hygienic or aseptic production.

This is achieved by

- High level of protection against fluids (at least IP65)
- Use of suitable materials (e.g. 316L stainless steel, elastomers with FDA approval)
- Easily cleanable surfaces and geometries according to EHEDG guidelines
- Special handling in production to avoid surface defects
- Low surface roughness according to EHEDG and ASME BPE SF:

| Coding       | HY (SF3)                    | HY06 (SF1)                  | HY04 (SF4)                                    |
|--------------|-----------------------------|-----------------------------|---|
| Turned parts | $R_a \leq 0,76 \mu\text{m}$ | $R_a \leq 0,51 \mu\text{m}$ | $R_a \leq 0,38 \mu\text{m}$ + electropolished |
| Membrane     | $R_a \leq 0,38 \mu\text{m}$ | $R_a \leq 0,38 \mu\text{m}$ | $R_a \leq 0,38 \mu\text{m}$ + electropolished |
| Weld seams   | $R_a \leq 0,76 \mu\text{m}$ | $R_a \leq 0,76 \mu\text{m}$ | $R_a \leq 0,76 \mu\text{m}$ + electropolished |

Hude, 29.09.2021  
LABOM Mess- und Regeltechnik GmbH



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