

Application checklist for Stange-H2-Sensor

Contact

Name		Mail	
Company		Phone	
Address		Fax	

Place of use

Country		Town	
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Description of the application

- | | |
|---|---------------------------------------|
| <input type="checkbox"/> Nitriding | <input type="checkbox"/> Oxinitration |
| <input type="checkbox"/> Nitrocarburizing | <input type="checkbox"/> Preoxidation |
| <input type="checkbox"/> Post-oxidation | <input type="checkbox"/> Carburizing |
| <input type="checkbox"/> Low Pressure | <input type="checkbox"/> Vacuum |
| <input type="checkbox"/> other: | |

Measuring range [Vol-% H2]

- | | |
|----------------------------------|---------------------------------|
| <input type="checkbox"/> 0 - 60 | <input type="checkbox"/> 0 - 75 |
| <input type="checkbox"/> 0 - 100 | <input type="checkbox"/> |

Requirements to the measurement

- | |
|--|
| <input type="checkbox"/> Monitoring of a limit value %H2 |
| <input type="checkbox"/> Measurement %H2 |
| <input type="checkbox"/> Standard accuracy 0.5% from range |
| <input type="checkbox"/> Standard reaction time 2 minutes |

Measuring gas components from / to [%]

- | | |
|---|--|
| <input type="checkbox"/> O ₂ | |
| <input type="checkbox"/> N ₂ | |
| <input type="checkbox"/> Ar | |
| <input type="checkbox"/> He | |
| <input type="checkbox"/> CO | |
| <input type="checkbox"/> CO ₂ | |
| <input type="checkbox"/> CH ₄ | |
| <input type="checkbox"/> C ₃ H ₈ | |
| <input type="checkbox"/> C ₄ H ₁₀ | |
| <input type="checkbox"/> H ₂ | |
| <input type="checkbox"/> NH ₃ | |
| <input type="checkbox"/> Air | |
| <input type="checkbox"/> Halogens | |
| <input type="checkbox"/> Corrosive | |
| <input type="checkbox"/> Organic | |
| <input type="checkbox"/> Steam | |
| <input type="checkbox"/> Soot | |
| <input type="checkbox"/> other: | |

Safety requirements

- | |
|--------------------------------------|
| <input type="checkbox"/> none |
| <input type="checkbox"/> yes, which: |

Explosion protection

- | |
|-------------------------------------|
| <input type="checkbox"/> none |
| <input type="checkbox"/> yes, zone: |

Pressure [mbar absolute]

- | |
|---|
| <input type="checkbox"/> atmospheric |
| <input type="checkbox"/> Low pressure 3 to 30 |
| <input type="checkbox"/> from / to: |

Ambient temperature 5 to 45°C

- | |
|-------------------------------------|
| <input type="checkbox"/> yes |
| <input type="checkbox"/> no, range: |

Humidity max 80% at 20°C

- | |
|-------------------------------------|
| <input type="checkbox"/> yes |
| <input type="checkbox"/> no, range: |

Temperature in the recipient [°C]

- | |
|--|
| <input type="checkbox"/> same as ambient temperature |
| <input type="checkbox"/> from / to: |

Flow rate [m³/h]

- | |
|-------------------------------------|
| <input type="checkbox"/> none |
| <input type="checkbox"/> from / to: |
| at wide of the tube: |

Installation

- | |
|--|
| <input type="checkbox"/> horizontal, >2° tilt, flange downward |
| <input type="checkbox"/> vertical, flange downward |
| <input type="checkbox"/> other: |

Evaluation electronics

- | | |
|---|-----------------------------------|
| <input type="checkbox"/> Standard entry PLC | <input type="checkbox"/> Recorder |
| <input type="checkbox"/> Measuring instrument | |
| <input type="checkbox"/> Display indication | |
| <input type="checkbox"/> other: | |

Dust [g/cm³]

- | |
|-------------------------------------|
| <input type="checkbox"/> none |
| <input type="checkbox"/> from / to: |

Mechanical stress

- | |
|--------------------------------------|
| <input type="checkbox"/> none |
| <input type="checkbox"/> yes, which: |

Distance from flange to recipient [mm]

- | |
|-------------------------------------|
| <input type="checkbox"/> up to 100 |
| <input type="checkbox"/> more than: |

Reduction of measuring gas input DN 16

- | |
|---|
| <input type="checkbox"/> no |
| <input type="checkbox"/> yes, smallest DN [mm]: |

Protection

- | |
|---------------------------------|
| <input type="checkbox"/> IP 20 |
| <input type="checkbox"/> other: |

Please note the operating conditions beyond this checklist and the technical data, described in the manual for the H2 sensor!

Please send the completed checklist to:
Mail: awolfram@stange-elektronik.de
Fax: +49 (0) 36202 - 7509-91

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