

## Contact sensor head PSS-H-B01

Contact sensor head PSS-H-B01 is optimized for the measurements over short distances varying from 0 to 30mm or in direct contact with the sample. It is an ideal choice for the measurements on tubes, chutes, funnels, etc. Besides integrated 20W tungsten halogen light source for sample illumination, the sensor head contains fully automated system referencing. Furthermore, pre-adjusted measurement spot size (1-20mm) allows optimal realization of individual applications. The sensor head is provided with robust stainless housing and sapphire window.



### Highlights

- Integrated light source and automated white reference
- Robust stainless steel housing with sapphire window
- Easy installation

## Contact sensor head PSS-H-B01

Sample measurements over short distances

Datasheet



# Technical data



## Optimized spectral range

Spectral range: V1.7: 850-1650 nm      V2.1: 1100-2500 nm

## Ambient conditions

Operating temperature: + 5° C ... + 40° C / (41° F ... 104° F)

Storage temperature: - 15° C ... + 65° C / (5° F ... 149° F)

Relative humidity: max. 80%, non-condensing

Warm-up-time: depending on storage temperature 30 min ... 2 h

## Lighting

Operating voltage: + 12 V DC / Power consumption: 20 W

Lifetime: approx. 2000 hours of operation

## Options

Flange height: 1.5 mm or 5 mm depending on mounting environment

## Stainless steel housing

Protection rating: IP 64 (bolted and barred)

Dimensions: ~150x80x100 mm (overall, without connected cables)

Weight: 3.2 kg

## Required

Fibre optic cable PSS-F-A 0.5 m, 1 m, 1.5 m, 2 m or longer in steps of 1 m

## Recommended

Cable Protective Hose PSS-A-FPH for additional protection of the fibre optic cables (same length as fibre)

## Spares

PSS-A-Service Kit B01 consisting of tungsten halogen source and seal

## Applicable standards

Lamp systems: IEC / EN 62471: 2009-03 (photobiological safety of lamps and lamp systems)

EMC: IEC / EN 61326-1: 2006-10 (EMC requirements on Emission and Immunity – Electrical equipment for measurement, control, and laboratory use)

## Electromechanical integration

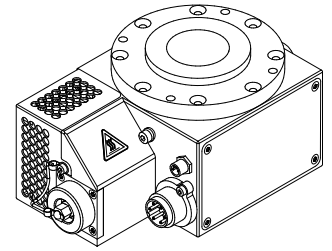
Operating voltage: special halogen lamp: + 12 V DC

Rotary solenoid / reference: + 12 ... 15 V DC

Power consumption: special halogen lamp: 20 W

Rotary solenoid / reference: 16 W (only during reference measurement)

Power consumption: in operation 20 W, max.: 36 W (during reference measurement)



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