





Specification

ODS-20 Model name

100184 Order number

Mechanical displacement (peak-peak) *Measured values*Mechanical vibration frequency

Bond force 1)

3 selectable ranges Displacement measuring

range 1: 0.1 to 2 µm @ 30..250 kHz ranges 2) 3)

range 2: 0.1 to 8 µm @ 30..200 kHz range 3: 0.1 to 20 µm @ 30..150 kHz

range 1: ± 0.05 µm Displacement measuring

range 2: ± 0.1 µm accuracy

range 3: ± 0.2 µm

range 1 & 2: ± 0.001 µm Displacement measuring

range 3: ± 0.01 µm Resolution

30 kHz .. 250 kHz with ± 20 Hz accuracy Frequency measurement

range and accuracy

2 selectable ranges Bond force measuring

range 1: 0 to 2 N ranges 1)

range 2: 0 to 20 N

range 1: ± 0.01 N (±1g) Bond force measuring

range 2: ± 0.5%, minimum ± 0.02 N (±2g) accuracy

± 0.5% Bond force linearity

Class II (eye safe) Laser class

Power supply

Plug-in power supply Type
100 – 240 VAC, 50/60 Hz Input voltage
15 VDC, stabilized Output voltage
max. 1.0 A Output current

Dimensions, Weight

length / height / width (weight) Laser sensor 2.47" x 0.79" x 0.59" (approx. 40g)

length / height (w/o force sensor) / width (weight) Force sensor 2.47" x 0.42" x 0.59" (approx. 40g)

length / height / width (weight) *Electronic unit* 6.1" x 3.54" x 8.03" (approx. 1100g)

length / height / width (weight) *Power supply* 2.76" x 1.97" x 1.57" (approx. 150g)

Communication

USB and RS232 communication port for use with data sampling software

- 1) Applicable, if bond force option ordered.
- ²⁾ Other measuring ranges are possible, please ask for special calibrations.
- 3) All displacement values are peak-peak.

F&K reserves the right to change this specification without notice.

DS204020523G