

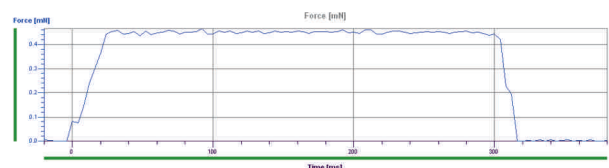
BFS-20

The **BFS-20** is a unique device to calibrate the bond force unit of F&K Delvotec fully automatic bond machines. It comes with a serial interface to communicate with the bond machine to carry out automatic calibration runs.

The load cell can measure up to 20N (2 kgs) and is therefore ideally for fine wire and heavy wire bonders. The **BFS-20** can be customized to measure also other force ranges.

Based on its design and easy handling it can be used also on other brands to measure the bond force.

By using the PC-Host software one can analyze dynamic behavior of the bond force unit, e.g. check the impact of the touch down and stability of the bond force over a bond cycle.



Specification

BFS-20	<i>Model name</i>
100388	<i>Order number</i>
Bond force evaluation & calibration	<i>Measurement tasks</i>
Bond force	<i>Measurement values</i>
2 selectable ranges	<i>Bond force measuring ranges ¹⁾</i>
range 1: 0 to 2 N (0 to 200 g)	
range 2: 0 to 20 N (0 to 2 kg)	
range 1: ± 0.01 N (± 1 g)	<i>Bond force measuring accuracy</i>
range 2: $\pm 0.5\%$, minimum ± 0.02 N (± 2 g)	
	$\pm 0.5\%$ <i>Bond force linearity</i>

Power supply

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

Dimensions, Weight

length / height (w/o force sensor) / width (weight)	<i>Force sensor</i>
2.47" x 0.42" x 0.59" (approx. 40g)	
length / height / width (weight)	<i>Electronic unit</i>
6.1" x 3.54" x 8.03" (approx. 1100g)	
length / height / width (weight)	<i>Power supply</i>
2.76" x 1.97" x 1.57" (approx. 150g)	

Communication

USB and RS232 communication port
for use with data sampling software
(PC-Host software for MS-Windows 7/10) ²⁾

Additional features

Internal data capturing (Min- und Max-values)

¹⁾ Other measuring ranges are possible,
please ask for special calibrations.

²⁾ PC not included.



Storage case example. Colour might differ.