

LBT210 technical specs

Force Sensor:

Ranges:	0.98mN, 1.96mN, 3.92mN, 9.81mN, 19,62mN, 39,24mN
Measurement points per Second:	3,000 (3KHz)
Sensitivity/Resolution:	Range / 60,000 (This gives a theoretical resolution of 0,0000163mN in the 0,98mN range)

Axis & positioning:

X Y Z Axis:	Brushless DC Servo Motors 3,000 per Revolution @ 1mm = 0,33µm +/- 1 count
Laser Sensor:	Accuracy 5 µm
Immersion Depth:	0-40mm in 0.01mm incements
Immersion & Withdraw Speed:	0.01 - 30.00mm/second (faster on request)

Temperature:

The temperature is normally accurate for +/- 1°C. We guarantee +/- 3°C as is required by the standards.

Temperature range: „room temp“ to 350°C, 420°C optional on Request.

Test Time:

1-120 seconds in 1 second increments (0.1 steps on request); The LBT210 does test in the set time, not like other systems that have fixed times in the system and then cut the curve.

Step and repeat

Testing of parts with multiple pins. The LBT210 can test a row of pins with any rotation. We do not need the pins to be aligned to a specific axis like other systems.

Parts:

You can test all kind of parts. Down to 0201. Smaller is a problem in Handling for the operator, but is possible.

The LBT210-HD (Heavy Duty) can test parts up to 200g in weight.