Instron® Corporation
825 University Ave ■ Norwood, MA 02062-2643
Tel: +1-800-473-7838 ■ Fax: +1-800-575-5144 ■ www.instron.com

Keypad Tests

By The Instron Applications Team

Summary

Compression test of keypads using a model 5569 series was performed to simulate loads required in typing.

Description of Tests

A 0.187 in diameter flat probe mounted in a three jaw chuck was used to compress each pad to 400 g then unload completely.

Conclusions

Single static loading was successfully used to simulate the force required to type on a keyboard. In future testing, cyclic testing using the TestProfiler software module may provide a means for evaluating repetative loading patterns.

Apparatus

- Model 5569 with 10 N load cell
- 0.187 diameter flat probe held by three jaw chuck
- 6 in base platen
- Test speed of 0.2 in/min