

DeFelsko® Surface Profile Standards

Solutions for depth micrometer surface profile gages

Certified SPG Standards

Used to verify the accuracy and operation of surface profile depth micrometers — an important component in fulfilling both ISO and in-house quality control requirements.

- Ideal for use in the calibration lab, in the field or on the factory floor
- Includes serialized and traceable height standards mounted to a metal plate in a protective case
- Depth can be measured by resting the foot of the PosiTector SPG onto two blocks and measuring the depth of the third block between them
- Certified and labeled in both Metric and Imperial units

Sample Certificate of Accuracy

Company Name: _____ Date Calibration Performed: _____
 Address: _____
 Customer Name: _____
 Address: _____

Product Description: PosiTector SPG
 Model Number: _____
 Serial Number: _____
 Laboratory Temperature: _____
 Measurement conducted in accordance with standards: _____
 Standard Measurement System Uncertainty: _____

| Reference | Reference Value | Measured Value | Uncertainty |
|-----------|-----------------|----------------|-------------|
| 1 | 150 µm | 150 µm | ± 1.25 µm |
| 2 | 148 µm | 148 µm | ± 1.25 µm |
| 3 | 150 µm | 150 µm | ± 1.25 µm |
| 4 | 145 µm | 145 µm | ± 1.25 µm |
| 5 | 150 µm | 150 µm | ± 1.25 µm |
| 6 | 130 µm | 130 µm | ± 1.25 µm |
| 7 | 150 µm | 150 µm | ± 1.25 µm |

As of 12/15/2015, the measurement range (Difference divided by 1000 and multiplied by 100)

Measurement Performed By: _____
 Date: _____

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DeFelsko Certified SPG Standards and included sample certificate of accuracy allow the user to certify the accuracy of depth micrometer surface profile gages in-house.



| Order Code | Depth | | | Accuracy |
|------------|-------------------|--------------------|---------------------|----------------------------|
| | Plate 2 | Plate 4 | Plate 6 | |
| STDSPG | 50 µm (2 mils) | 175 µm (7 mils) | 500 µm (20 mils) | ± 1.25 µm (± 0.05 mils) |

COMES COMPLETE with serialized and traceable height standards mounted to a metal plate, sample certificate of accuracy, hard shell carrying case and a Certificate of Calibration traceable to PTB.

Non-Certified Metal Shim

- Provides a quick accuracy check of the instrument
- Allows the user to perform practice measurements
- Consists of a 76 µm (3 mil) check shim and a glass zero plate
- Labeled in both Metric and Imperial units



A metal shim and glass zero plate are included with every PosiTector SPG



Shown with PosiTector SPG (not included)

DeFelsko®
The Measure of Quality

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