

CQI Practice Test Questions and Answers

1. An X-bar and R chart monitors:

- A) Attribute data (pass/fail)
- B) Variable (continuous) data — subgroup means and ranges
- C) Count data (number of defects)
- D) Proportion defective data

2. A profilometer is used to measure:

- A) Part weight
- B) Surface texture and roughness
- C) Internal dimensions
- D) Material hardness

3. What is a 'go/no-go' gauge used for?

- A) Measuring exact dimensions
- B) Verifying that a feature is within specified tolerance limits
- C) Calibrating other instruments
- D) Measuring surface finish

4. What does a Cpk value of 1.0 indicate?

- A) The process is highly capable
- B) The nearest specification limit is exactly 3 standard deviations from the process mean
- C) The process produces zero defects
- D) The process is out of statistical control

Answers: 1-B 2-B 3-B 4-B

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