2 The resistance of a wire is determined by measuring the current in the wire and the potential difference across it. The following measurements were made. Each measurement had an uncertainty as stated.

current = (2.50 ± 0.05) A

potential difference = (2.00 ± 0.06) V

The resistance was calculated to be $0.800\,\Omega$.

What is the uncertainty in this value of the resistance?

A $0.003\,\Omega$ **B** $0.008\,\Omega$ **C** $0.04\,\Omega$ **D** $0.1\,\Omega$