

- 2** A point source is emitting a steady sound wave uniformly in all directions.

A sound intensity meter placed at a distance  $(2.0 \pm 0.1)$  m away from the source detects an intensity of  $(0.25 \pm 0.05)$  W m<sup>-2</sup>.

What is the uncertainty in calculating the power of the source?

- A** 0.3 W                      **B** 1 W                      **C** 3 W                      **D** 4 W