

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

A sound intensity meter placed at a distance (2.0 ± 0.1) m away from the source detects an intensity of (0.25 ± 0.05) W m⁻².

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

A 0.3 W

B 1 W

C 3 W

D 4 W