

# Engineering dimension reference R02

Known external dimensions only. Dimensions in mm unless stated. Internal geometry and projections omitted.

| Body envelope / independent views                                                             |  | Material                  |
|-----------------------------------------------------------------------------------------------|--|---------------------------|
| <div><div><div>25 mm</div><div>75 mm</div></div><div>Side envelope</div><div>4 mm</div></div> |  | JGS1 quartz               |
|                                                                                               |  | Plate envelope            |
|                                                                                               |  | 75 × 25 × 4 mm            |
|                                                                                               |  | Nominal sample path       |
|                                                                                               |  | 0.2 mm                    |
|                                                                                               |  | Routes / tubes            |
|                                                                                               |  | Two channels / four tubes |
|                                                                                               |  | Tube dimensions           |
|                                                                                               |  | OD1.5 mm / ID1 mm         |
|                                                                                               |  | Source channel annotation |
|                                                                                               |  | 20 × 4 mm                 |

Views use independent scales. No tolerances or hidden features are inferred.



SKU appearance reference rendering.

## Still needed for the project

- Complete internal channel geometry and working volume
- Required optical coordinates and isolation criteria
- Particle passage and counting performance in the actual instrument

R02 / Source parameters reviewed 2026-10-26. Not a measured inspection drawing or a manufacturing release.