



**Small Inner Dia of Electrode Tube (0.20 ~ 3.0mm)**

Unit: mm

| Copper Tube |      |           |       |       | Brass Tube |       |           |       |      | Coreless Tube |     |          |    |                |      |
|-------------|------|-----------|-------|-------|------------|-------|-----------|-------|------|---------------|-----|----------|----|----------------|------|
| Outer Dia   |      | Inner Dia |       |       | Outer Dia  |       | Inner Dia |       |      | Outer Dia     |     | Channels |    | Length<br>(mm) |      |
| Dia         | Tol  | S.T.      | Tol   | Min   | Dia        | Tol   | S.T.      | Tol   | Min. | Dia           | Tol | 2        | 3  |                |      |
| 0.20        | +0   | 0.10      | ±0.01 | 0.10  | 0.20       | +0    | 0.10      | ±0.01 | 0.10 |               |     |          |    | 200            |      |
| 0.25        |      | 0.12      |       |       | 0.25       |       | 0.12      |       |      |               |     |          |    | 200            |      |
| 0.30        |      | -0.01     |       |       | 0.12       |       | 0.30      |       |      |               |     |          |    | 0.12           |      |
| 0.40        | +0   | 0.20      | ±0.02 | 0.15  | 0.40       | -0.01 | 0.20      | ±0.02 | 0.15 | 0.12          | +0  | -0.01    | 2W | Copper         |      |
| 0.50        |      |           |       |       | 0.50       |       |           |       |      | 0.50          |     |          |    |                | 0.50 |
| 0.60        |      |           |       |       | 0.60       |       |           |       |      | 0.60          |     |          |    |                | 0.60 |
| 0.70        |      |           |       |       | 0.70       |       |           |       |      | 0.70          |     |          |    |                | 0.70 |
| 0.80        |      |           |       |       | 0.80       |       |           |       |      | 0.80          |     |          |    |                | 0.80 |
| 0.90        |      |           |       |       | 0.90       |       |           |       |      | 0.90          |     |          |    |                | 0.90 |
| 1.00        |      |           |       |       | 1.00       |       |           |       |      | 1.00          |     |          |    |                | 1.00 |
| 1.10        |      |           |       |       | 1.10       |       |           |       |      | 1.10          |     |          |    |                | 1.10 |
| 1.20        |      |           |       |       | 1.20       |       |           |       |      | 1.20          |     |          |    |                | 1.20 |
| 1.30        |      |           |       |       | 1.30       |       |           |       |      | 1.30          |     |          |    |                | 1.30 |
| 1.40        | 1.40 | 1.40      | 1.40  | Brass |            |       |           |       |      |               |     |          |    |                |      |
| 1.50        | 1.50 | 1.50      | 1.50  |       |            |       |           |       |      |               |     |          |    |                |      |
| 1.60        | 1.60 | 1.60      | 1.60  |       |            |       |           |       |      |               |     |          |    |                |      |
| 1.70        | 1.70 | 1.70      | 1.70  |       |            |       |           |       |      |               |     |          |    |                |      |
| 1.80        | 1.80 | 1.80      | 1.80  |       |            |       |           |       |      |               |     |          |    |                |      |
| 1.90        | 1.90 | 1.90      | 1.90  |       |            |       |           |       |      |               |     |          |    |                |      |
| 2.00        | 2.00 | 2.00      | 2.00  |       |            |       |           |       |      |               |     |          |    |                |      |
| 2.10        | 2.10 | 2.10      | 2.10  |       |            |       |           |       |      |               |     |          |    |                |      |
| 2.20        | 2.20 | 2.20      | 2.20  |       |            |       |           |       |      |               |     |          |    |                |      |
| 2.30        | 2.30 | 2.30      | 2.30  |       |            |       |           |       |      |               |     |          |    |                |      |
| 2.40        | 2.40 | 2.40      | 2.40  |       |            |       |           |       |      |               |     |          |    |                |      |

|      |       |      |       |      |      |      |      |      |  |  |  |
|------|-------|------|-------|------|------|------|------|------|--|--|--|
| 2.50 | +0    | 0.70 | ±0.03 | 0.60 | 2.50 | 0.70 | 0.65 | 2.50 |  |  |  |
| 2.60 | -0.03 |      |       | 2.60 | 2.60 |      |      | 2.60 |  |  |  |
| 2.70 |       |      |       | 2.70 | 2.70 |      |      | 2.70 |  |  |  |
| 2.80 |       | 0.80 |       | 0.70 | 2.80 | 0.80 |      | 2.80 |  |  |  |
| 2.90 |       |      |       | 2.90 | 2.90 | 0.90 | 0.80 | 2.90 |  |  |  |
| 3.00 |       |      |       | 3.00 | 3.00 | 1.00 |      | 3.00 |  |  |  |