

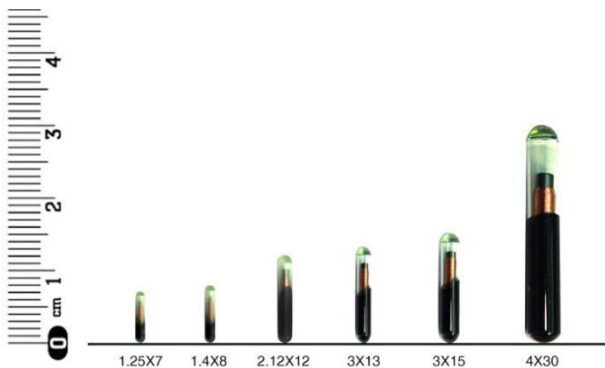
# RFID Glass Tube



Glass Tubes are small RFID tags under sealed glass column with a non-slip surface material.

They answers a good chemical stability with a long life and can be submerged in the water.

Glass Tubes are available in several sizes and frequencies, with unique ID number, advanced security features (data integrity check, encrypted authentication)



## Applications

- Animal tracking
- Biological identification
- Item management and tracking
- Dairy control
- Industrial tracking

## Functional specifications

|                        |   |
|------------------------|---|
| Type                   | LF / HF   |
| Frequency              | Low Frequency 125 KHz or 134KHz<br>High Frequency 13,56 MHz |
| Air interface protocol | ISO11784 / ISO11785 / ISO15693                              |
| Communication mode     | FDX-B / FDX-A for 134KHz                                    |
| Write Cycles           | 100 000 times   |
| Functionalities        | Read Write / Read only                                      |
| Read range             | > 2m (depending on tag, environnement and reader)           |

## Physical specifications

|              |  |
|--------------|--|
| Dimensions   | 7 x 1.25 mm    8 x 1.4 mm    12 x 2.12 mm<br>13 x 3 mm    15 x 3 mm    30 x 4 mm |
| Tag Material | Internal lead-free non-toxic material, external glass plus biological layer      |
| Packaging    | In bio-glass package, the chip is integrated in a sealed glass column            |

## Environmental and industry compliance

|                       |                |
|-----------------------|----------------|
| Storage Temperature   | -40°C to +80°C |
| Operating Temperature | -20°C to +80°C |