

# Bubble Detection Sensor FBS2Z5D-FC



## ■Overview

This sensor detects air bubbles, liquid loss, etc. in a tube. The transmission efficiency of ultrasonic waves depends on the medium through which the ultrasonic waves transmit (gas < liquid). When there is only liquid in the tube, the ultrasonic waves transmit efficiently, but if air (bubbles) are contained in the liquid, the transmission efficiency reduces and the reception signal of ultrasonic waves also weakens. Our sensors use this principle to detect bubbles in a tube.

## ■Specifications

Type	FBS2Z5D-FC
Nominal Frequency	2MHz
T/R Sensitivity	over -23dB
Capacitance	280pF
Dimension	D= $\phi$ 10mm $\times$ H=10mm
Lead Wire	AWG28
Case Material	m-PPE

\*For details, please contact the following address.

We can also provide customization to suit your requirements.

## ■Applications

For equipment where air bubbles are to be avoided

For applications to detect liquid shortage in tanks

- Dialysis equipment
- Infusion pumps
- Industrial inkjet printers, etc.

## ■Contact

**FUJI CERAMICS CORPORATION**

E-Mail : sales\_dept@fujicera.co.jp

TEL : +81-544-58-4466

WEBSITE : <https://www.fujicera.co.jp/en/>

## ■Drawing

