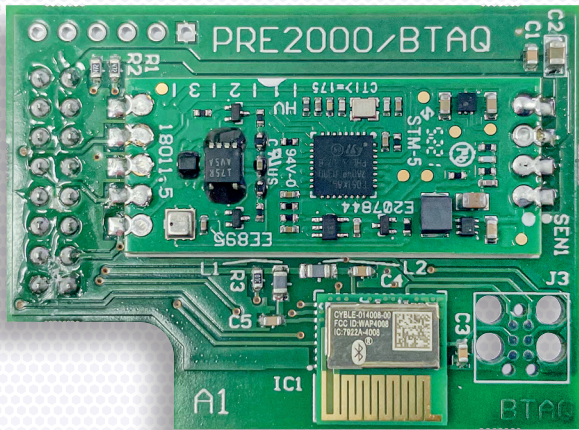


# irus PRE2000CO2-BRU

## CO2 and Bluetooth Receiver Module

for use with PRE2000CU3



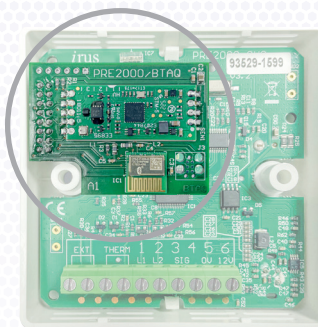
### Key features

- CO<sub>2</sub> concentration sensor.
- NDIR technology (Nondispersive infrared).
- 400 - 2900ppm CO<sub>2</sub> measurement range.
- $\pm 50\text{ppm} + 3\%$  CO<sub>2</sub> reading accuracy.
- High frequency secure wireless connection
- Communicates wirelessly with HobSenseus and other enabled devices.
- Remote access via internet connection to individual room nodes.
- 5-year warranty

**The Prefect Irus CO<sub>2</sub>-BRU module is for retrofitting to existing Irus installations where air quality monitoring is desired and there are devices transmitting high frequency wireless signals.**

The CO<sub>2</sub>-BRU adds functionality to existing PRE2000CU3 Control Units. Devices such as HobSenseus, PipeSense and ShowerTime connect using Bluetooth and send data to the control unit and then on to the Irus Portal. Hob power use, battery level indication, leak detection and water wastage are just some examples of the information that can be gathered.

The integrated air quality module monitors CO<sub>2</sub> within the units vicinity. Using NDIR (Nondispersive infrared) technology with a measurement range of between 400 and 2900ppm (parts per million) and an accuracy of  $\pm(50\text{ppm} + 3\%$  of measured value).



The concentration of CO<sub>2</sub> is determined by passing infrared light through a sample of the air and comparing absorption of light at two different wavelengths. The sensor combines this information with barometric pressure and temperature measurements to calculate CO<sub>2</sub> concentration.

Data collected by the Control Unit is displayed on the Irus Portal as an instantaneous figure and also on the time line to illustrate levels throughout the period.

Due to our policy of continuous improvement, we reserve the right to change specifications without notice. All information was correct at time of when this product file was produced - February 2023