



Essential Carbon Dioxide Monitoring for Laboratories

Overview :

Carbon dioxide gas (CO₂) is regularly used in Laboratories in incubators, gas chromatography machines and mass spectrometers.

Dry ice is also made of carbon dioxide, and can be used to freeze specimens and in cryogenic applications.

If Carbon Dioxide leaks into the atmosphere in an enclosed room it not only can displace the Oxygen, leading to Oxygen deficiency and asphyxia but even small amounts can be very poisonous in its own right and can cause death long before Oxygen Deficiency.

It is therefore import to monitor Carbon Dioxide levels in an environment where CO₂ is used rather than relying on Oxygen Depletion Monitors.



The Solution :

The NEW RI-600 Standalone Carbon Dioxide Monitor from Riken Keiki measures CO₂ in air while displaying the measured CO₂ concentrations on an LCD screen

Key Features :

- Standalone or with a controller
- Compact, wall mounting design
- Easy to read digital display
- Tri-colour visual alarm display:
Green=Normal, Yellow=Alarm 1, Red=Alarm 2
- Power options: 100-240VAC (1.5m mains adapter), 24 VDC
- Pressure compensation eliminates false alarms due to pressure changes.
- Remote sensor cable available
- Remote sounder beacon and UPS power supply options





RI-600 Optional Accessories

Remote sensor cable for 600 series, 3 ,5, 10 and 20 Meter options allows the unit to be mounted outside the room while the sensor is inside



SB-600-24VDC Combined Beacon and Sounder Kit with 5M cable plus 240VAC to 24Volt Power adapter (Powers RI-600 and SB-600)



The BATPSU-600-7-24VDC from Weatherall Equipment and Instruments Ltd is a high quality Switched mode power supply and Battery back up system designed for use with the Riken Keiki 600 series of standalone Gas monitors and their accessories. It delivers up to a 2 Amp output which is sufficient to support a combination of up to 6 instruments and / or sounder beacons from a single unit. The unit comes with the option of 1.2Ah to 7Ah of battery capacity which is enough for up to 24 hours of back up if only one instrument is connected.

