

Clamp-On Oxygen Monitoring in Hospitals

The recent COVID-19 pandemic has placed unprecedented demand upon UK hospital O₂ delivery to critical care wards.

The problem? how to manage O₂ supplies before they deplete?

The answer – easy retrofit clamp-on O₂ metering from FLEXIM supplying data to the hospital MGPS or BMS system



Measuring Task:

Since the Coronavirus COVID-19 outbreak, NHS Hospitals concerns have been around the limitation in oxygen flow, especially with the increased use of high flow devices such as ventilators and the significant increase in ICU beds across NHS trusts. Due to these concerns and the limitations with the existing telemetry on the VIE (Vacuum Insulated Evaporator), NHS trusts have seen the importance of having their own live telemetry reporting O₂ flow rates through their systems.

The Solution:

O₂ flowmeters from FLEXIM are simply clamped onto existing copper pipework and introduce no new leak paths. In combination with integration into local MGPS or BMS systems, the instantaneous O₂ flow data from the FLEXIM meters allows remote access to live oxygen consumption data and alarming. Usage in each hospital ward, along with total site usage is now constantly available for local effective management of critical O₂ demand. Data such as live, peak and average flows across various legs of the hospitals' O₂ system can all be fed into the operational command to assist with proactively managing the O₂ being prescribed to patients based on the known limits of the oxygen system.

BENEFITS:

- Live oxygen consumption data across many sites
- Improved O₂ usage visibility
- Proactive O₂ management minimizing negative patient impact
- Portable O₂ meters also available from FLEXIM for spot checks across sites

