Ikhaya VM 1000 supports multiple temperature ranges on a single device

In the modern medical field, research and materials are more and more reliant on a wide range of temperature conditions for manufacture, storage, and transport. Specifically, the temperature range of minus 80 degree is growing in significance for important vaccines, such as Ebola and some Covid 19 vaccines.

A remote real time temperature monitoring system must thus have the ability to accurately measure, monitor and react proactively across such a wide range of temperature controlled environments whilst maintaining compliance to global standards and maintaining complete data integrity.

The range of temperature environments dictates that different methods of deploying different temperature probes must be supported. Digital as well as analogue measurement technologies have to be catered for.

Ikhaya Automation Systems who have developed and manufactured such technology since 2008, have created a range of solutions that allows for real time temperature monitoring to take place across such a wide spectrum. Irrespective of the type of temperature probe that is used, the universal Vaccine monitor "**VM1000"** will manage the measurement data and forward this to the universal cloud based analytics portal "**MyFridgeOnline"** which the company has developed.

The portal "**MyFridgeOnline"** has the ability to manage the different types of probes remotely through the Vaccine monitor **"VM 1000".** A number of **t**emperature thresholds, alert timers, recording and reporting intervals as well as alert escalation processes are remotely programmed and data is made visible over the Internet to any enabled device such as smartphones, tablets or laptop computers.

Today the units have been deployed in harsh environments across the globe, across many application areas in the medical, pharmaceutical and agricultural sectors with numerous customer referrals having been received for product quality and service excellence.