

Online moisture analyser easy to commission, calibrate and service

RTI, the manufacturer of MoistScan®, has recently added remote access functionality to its range of online microwave moisture analysers.

The MoistScan® is now equipped with internet-based wireless connectivity making remote calibration and service easy and cost effective. A MoistScan® engineer can now connect to the analyser via a VPN (virtual private network) at anytime from anywhere in the world.

MoistScan® Engineer, said that real time remote access enables us to check the operation and performance of the MoistScan® and in particular verify the calibration without having to attend site or having the customer send us data. We can log into the instrument using a normal web browser and look at the HMI as if we were in front of the instrument. We can download historical data for analysis to check the accuracy of the calibration. If need be, we can change settings to improve the calibration. The MoistScan® now also has the capability to send an alert via SMS message or email for programmable alarm states or operational problems e.g. process moisture deviates outside of set tolerances.

As with all online instrumentation, the accuracy of the MoistScan® depends on the quality of the calibration. Often during commissioning and calibration, the full scope of normal operating conditions may not be simulated, particularly the full range of moisture, the typical variation in loading on the belt, and the entire product range. Ideally the MoistScan® should be calibrated over the entire scope of operating conditions. The onboard data logging combined with remote access capability of the MoistScan® allows for the calibration to be elaborated on over several weeks by collecting additional data and operational scenarios and in turn improve calibrated accuracy.

RTI also offers a remote product service plan whereby the analyser is monitored remotely to check the system health and update calibration if required. This greatly reduces the need to travel to site as well as the response time, which provides peace of mind that moisture is reported accurately.

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