

# Pan Mixers' new sensor

**Building contractors are now able to measure the moisture content of readymix concrete from within a mixing drum by using the latest technology developed by Franz Ludwig, a manufacturer of moisture sensing equipment.**

The world's first Wi-Fi moisture sensor, designed for conditions where wiring is impossible, was launched by Pan Mixers South Africa (PMSA) at the company's second annual International Product Fair in September.



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The precision-engineered Franz Ludwig wireless moisture measuring probe transmits a signal to a display unit via Bluetooth, enabling users to interpret the exact moisture and temperature levels from within the drum. Measured values can also be transmitted over GSM net to Windows Mobile capable mobile phones, ensuring that accurate readings are relayed to the user quickly and efficiently.

PMSA director Walter Ebeling explains: "This product will save users time and money, because it can be fitted to the inside of a mixing drum – allowing operators to determine the moisture content in their concrete mixers with pin-point accuracy; thereby eliminating the need for a costly and time-consuming on-site slump test."

The 75mm x 53mm wireless moisture measuring probe comes in a high-strength aluminium casing, and can withstand temperatures from -20°C to +80°C. It operates at a frequency of 433MHz, and is designed to withstand long operating periods using rechargeable 5V DC batteries, Ebeling adds.

Franz Ludwig has manufactured moisture metering systems for more than 30 years, constantly striving to meet user-specific demands with custom-made solutions. ■