


Monitoring & Control of Concrete in Real Time



Industrial Internet of Things (IIoT)
Reduce costs and times, increases
your productivity and security

eTrace Mixer EM02

Benefits

- Optimize your deliveries reducing the loads rejected
- Guarantee the concrete quality controlling slump, moisture and temperature
- Reduce production costs redesigning your mixes with less cement
- Increase the efficiency of your fleet of mixer trucks

Description

Through the eTrace Mixer EM2 it is possible to communicate an Hidronix ® moisture sensor located at the mixer drum and capable to sense the concrete moisture properties on our 3G/4G IIoT EM2 can send to the cloud platform. In this way the system captures the information provided by the sensors embedded in the drum, this information is processed by its advanced analytical engine and presents in a simple and timely manner the properties of moisture, temperature and slump (indirect value) and environmental characteristics in real conditions.

The main advantages are the reduction of uncertainty regarding the properties of concrete, greater guarantees for production, reduction of rejected batches and knowledge of the concrete properties during the transportation in real time .

Hydronix

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Stratos Group

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CAMIONES

SENSORES

ETRACE
DISPOSITIVO

IOT HUB

PLATAFORMA



Asentamiento



Humedad



Temperatura



RPM



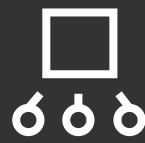
Relación
Agua Cemento



Analítica



Inteligencia Artificial



Integración con terceros
(ERP)



Tablero de Control
y analítica



Alertas
(Email / SMS)

Integración
Personalizada

eTrace
Construction Internet of Things

Hydronix

STRATOSGROUP

Technical Specifications

General

Power Input: 12V DC

Low power consumption

Protections: overvoltage, internal fuse

Managed by mobile APP via Bluetooth BLE

Status LED: RGB LED diffuser

Internet Connection

Network 3G o 4G

Interfaces

10M/100M RJ45 Ports x 2

WiFi : 802.11 b/g/n

LoRa Wireless

USB 2.0 host connector x 1

USB 2.0 host internal interface x 1

2 x LoRa Interfaces

Environmental and mechanical characteristics

Enclosure: IP65, plastic ASA (ABS + UV Protection)

Dimensions: 172 mm x 192 mm x 71 mm / 6.77" x 7.56" x 2.79"

Operating humidity: 5 ~ 95% RH

Operating temperature: -10 ~ 70 ° C (14 ~ 158 ° F)

Weight: 503 g / 1.1 lbs



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