SensSILO
CONNECT KIT

Smart Silo Management: Stay Informed Round-the-Clock with Continuous Anomaly Alerts.

Seamless Silo Monitoring: Integrated Weighing Indicator & UCS-X1 for Remote Access via NB-IoT, with Comprehensive Data Visualization on All Devices.

UCS UNIFIED CLOUD SENSORS™

... enhance your perception.

NB-IoT REST API 4.0 INDUSTRY LTE

Innovate your silo with modern technologies

Transform your traditional silos into modern efficiency wonders with our advanced digitalization kit, designed specifically for silos with analog load cells. Embrace the future with this innovative upgrade, bringing your storage capabilities in line with the latest Industrial Internet of Things (IIoT) and machine learning technologies.

Enter a new era of digital sophistication without high acquisition costs. Our solution utilizes your existing analog load cells, seamlessly integrating them into the digital system. This smart investment ensures you benefit from the latest advancements in weighing technology at a fraction of the cost compared to fully digital systems.

At the heart of this transformation is our cutting-edge digital unit, **UWT-6008/4**, which controls each load cell and converts analog signals into digital outputs. This ensures accuracy, efficiency, and reliability in data capture. With this module, you gain comprehensive control over data management, settings, calibration, and troubleshooting – all tailored for optimal performance.

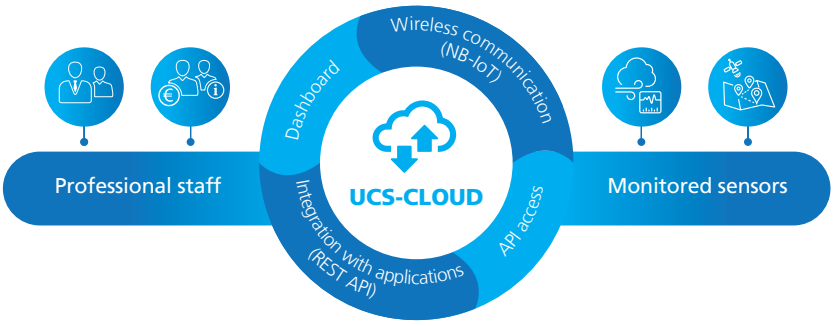
Harness every insight for informed strategic decisions.

Digitalization is just the beginning. With our IIoT module, UCS-X1, we elevate data management by channeling crucial insights into a centralized cloud database. This repository transforms your data into a powerful tool for various applications, including statistical analysis, predictive maintenance, and monitoring material accumulation on silo walls.

Enter a world where your silos are not just storage units but intelligent assets equipped with the power of digital innovation. With our digitalization kit, you not only modernize your silos but ensure the longevity of your operations for the future. **Embrace change and lead the way in digital silo management.**

The UCS-X1 enables data visualization on a silo dashboard that updates every hour and is available 24/7. It ensures high-security data transmission with storage on AWS servers and various data retrieval formats (CSV, XLS, XLSX). Utilize this data for predictive maintenance, material adherence detection, and much more. Receive instant alerts for critical situations via email or SMS and utilize additional services such as AI-driven anomaly detection.

Implementing remote sensor monitoring is essential for boosting operational efficiency, reducing costs, and saving time. **It's important to start monitoring early, as historical data is key for forecasting future scenarios.** This proactive approach enables you to anticipate and manage your silos effectively.



Your data are not just numbers but are the key to operational excellence and your success.

Technical specifications

Dimensions: ..... 308 × 160 × 250 mm

Power supply: ..... 230 VAC

Ingress protection: IP66

Housing color: ..... RAL 7035

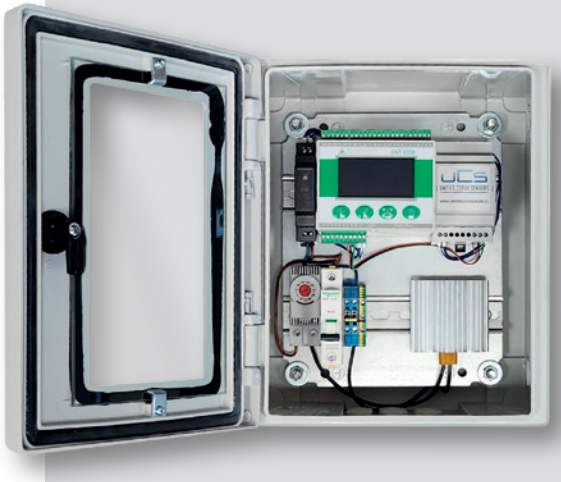
Instrument switch: ..... 10 A / 230 VAC

Heating element power: ..... 30 W

Thermostat: ..... NC, hysteresis = 3 °C
operating temperature: -40 – 90 °C

Output data and protocol (UWT-6008/4):
..... RS-232/485 Modbus RTU (default)
..... Ethernet/IP
..... Profibus

Data communication (UCS-X1):
..... Narrowband IoT



NB-IoT · REST API · 4.0 INDUSTRY · LTE

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UTILCELL, s.r.o.
nám. V. Mrštíka 40
664 81 Ostrovačice
Czech Republic
T: +420 546 427 053
E: info@unifiedcloudsensors.eu
https://en.unifiedcloudsensors.eu