

Weight Sensor IoT RFID/NFC TAG

The HF/UHF smart tags are equipped with passive NFC-V (ISO 15693) / UHF (ISO 18000 C) chips with sensor functionality. They have embedded accelerometer sensor. The tags can operate in semi-passive mode using thin and flexible batteries of 1.5V or 3V and perform and store the weight profile autonomously following a pre-set profile, alarming limit violations.

The tags can also operate in a fully passive mode, powered by the reader's RF field. Cloud data base is available for the logged data processing.

Applications:

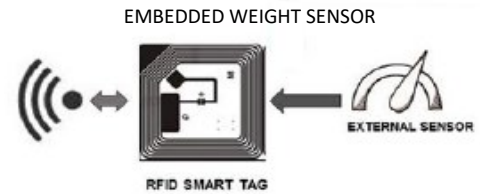
- Logistics and Traceability
- Internet of Things (Wireless Sensor Networks)
- Industrial applications
- Supply Chain / Warehouse Management
- Your application

Packaging:

Different housing and form factors are available depending of the application and the customer's requirements:

- Flexible adhesive label
- Epoxy, Hard housing, Rugged Rubber or Silicon
- Customized version and shape

Smart RFID sensing



Frequencies/Chips:

HF/NFC:	ISO15693:	AMS® SL13A + AMG® Load Cell
UHF:	ISO 18000-6:	AMS® SL900A + AMG® Load Cell

Technical:

Key Features:

- Energy Harvesting
- Passive and semi-passive operation
- > 100,000 Scale Intervals
- Force Resolution -0.6 mN
- 4K-bytes EEPROM and RTC
- Enables Weight Logging and Movement Measurement

RFID Features:

- Frequency: HF-13.56 MHz or UHF-860...960 MHz
- Supply voltage: RF field or 1.2 to 3.3v
- Temperature range: -40°C to +110°C
- Sensors: ON TAG I²C connected load cell

Other : RoHS compliant

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