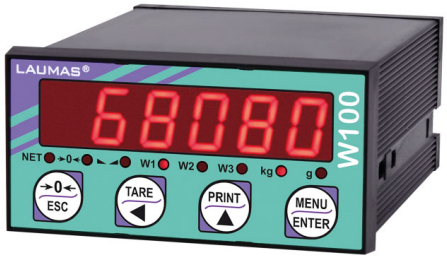
CLOUD SYSTEM FOR WEIGHING SYSTEMS

Connection of Laumas devices to the data cloud

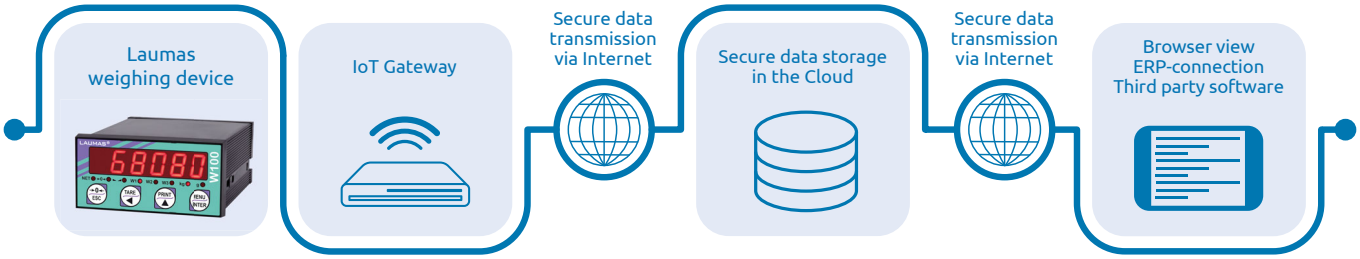
Description

- Networking of Laumas devices in all industries and applications
- Laumas devices are connected to the data cloud via an IoT gateway
- Customizations and extensions are possible according to individual needs
- Compatible with TLM8, TLB4, W100, WDESK/WINOX/WTAB L-R and G-2G instruments
- Completely cloud-based solution, with no impact on the existing local IT infrastructure

Main functions



- Operation modes:
  - "Print" mode: each time a print command is triggered, the data are sent to the cloud and saved
  - "Continuous" mode: the data will be periodically transmitted to the cloud and saved. The interval and frequency of data transmission can be configured from the cloud
- Main transmittable data:
  - weight (gross and net)
  - total
  - count result
- Data usage:
  - web browser view (measurement values, lists, graphical representations)
  - ERP-connection
  - connection to third party software solutions
  - processing and generation of performance indexes
- Customization of the web interface according to customer needs:
  - data control panel
  - ERP interface
  - user language (Italian and English included, others on request)
- Connection: communication between Laumas device and IoT gateway via serial interface
- System users: multiple user management with different hierarchies and rights
- Cloud connection:
  - via Ethernet cable and local LAN with internet access
  - mobile network: the IoT gateway can be connected to the internet, on a 4G network, using a SIM



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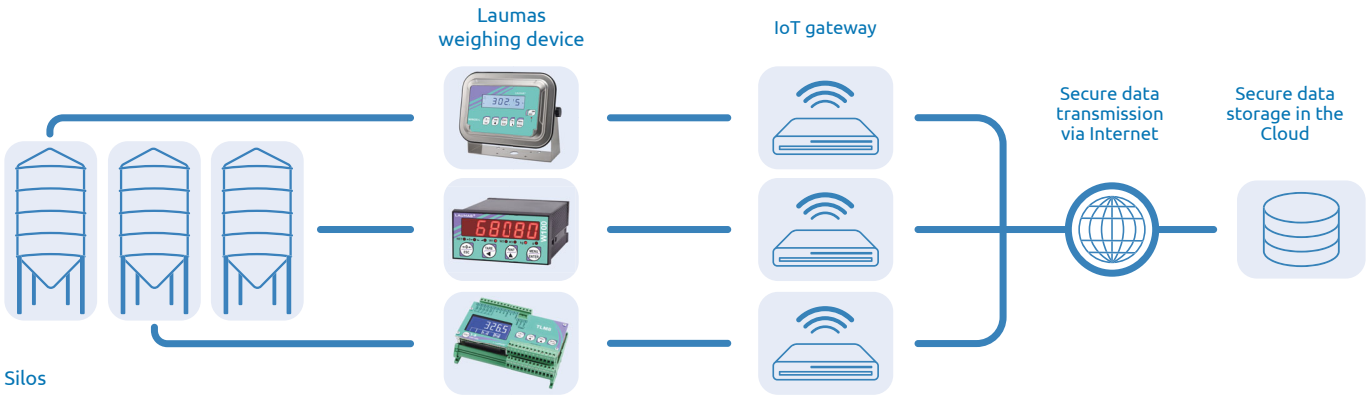
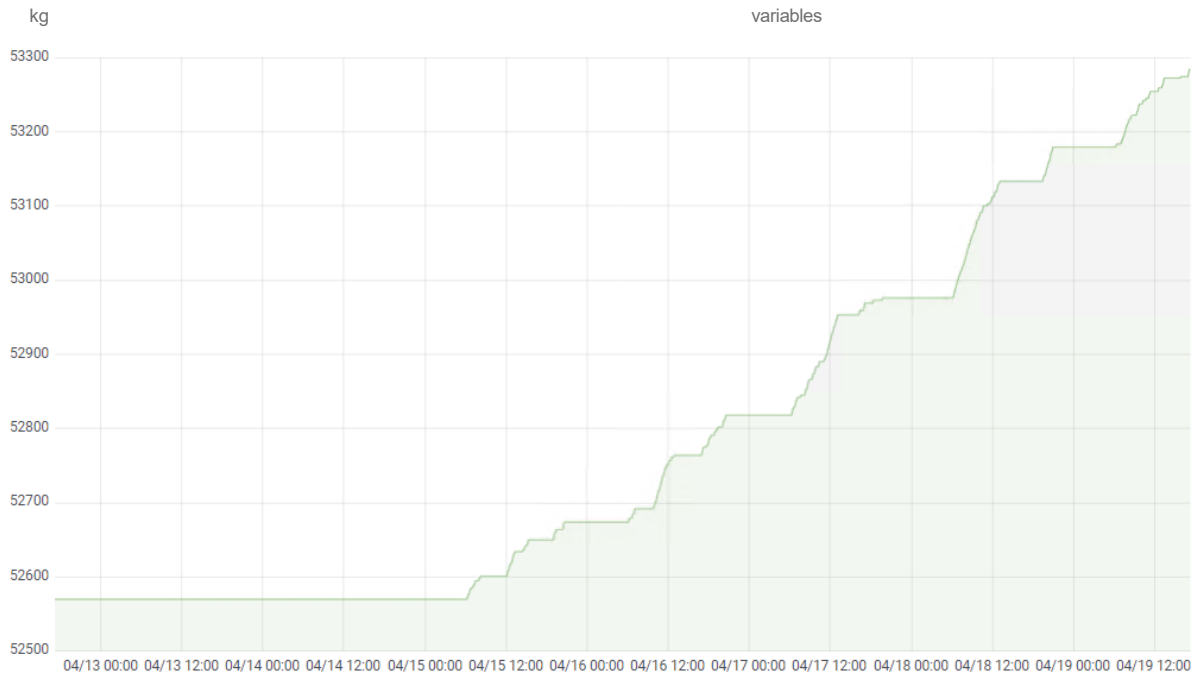
Supported devices and operations

	PRINT MODE			CONTINUOS MODE
	Weight (gross/net)	Total	Number of pieces	Weight (gross/net)
W100	•	-	-	•
WTAB/WINOX/WDESK L/R	•	•	•	•
WTAB/WINOX/WDESK G/2G	•	•	•	•
TLM8/TLB4	•	-	-	•

Configuration example: acquisition of measurement data from three local silos



Application example: monitoring of the weight trend in the system (time graph)



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Application example: weighed material handling data panel (list view)

Product	Product type	Warehouse	Type	Quantity	Units of measure	Date of load movement	User	Load unit	Lot	Matri...	Order number	Notes
Rice	Ribe	Silos	Unload	29953.27	kg	18/04/2024	Admin	B2	4293		D_2024_12	Product output
Rice	Ribe	Silos	Unload	27525.05	kg	17/04/2024	Admin	B2	4288		D_2024_11	Product output
Rice	Ribe	Silos	Unload	2315.03	kg	17/04/2024	Admin	B2	4292		D_2024_11	Product output
Rice	whole wheat	Silos	Unload	30050	kg	10/04/2024	Admin	A3			D_2024_10	Product output
Rice	whole wheat	Silos	Unload	29912.57	kg	10/04/2024	Admin	A3			D_2024_9	Product output
Rice	Roma	Silos	Unload	27971.33	kg	09/04/2024	Admin	B3	4296		D_2024_8	Product output
Rice	Roma	Silos	Unload	2162.42	kg	09/04/2024	Admin	B3	4297		D_2024_8	Product output
Rice	Roma	Silos	Unload	7955.1	kg	21/03/2024	Admin	B3	4291		D_2024_7	Product output
Rice	Roma	Silos	Unload	2450.39	kg	21/03/2024	Admin	B3	4294		D_2024_7	Product output
Rice	Roma	Silos	Unload	29331.77	kg	21/03/2024	Admin	B3	4295		D_2024_7	Product output

Application example: panel for KPI processing and display (synoptic display)

Industry and innovation

With the cloud solution for weighing systems, companies find a simple solution to use IoT tools and generate Industry 4.0 processes

Cloud platform provider

The cloud solution for weighing systems is managed by Infor (https://infor.gruppoinfor.it/)
To request commercial information or technical support, please contact inforlab@gruppoinfor.it

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