

HARVESTING · PLOT MEASUREMENT SYSTEM

COMPACT

Ultra-compact on-board measurement system for plot harvesting



OVERVIEW

Ultra-compact on-board measurement system, with a capacity of up to 37.6 L, designed for compact single-plot combine harvesters. Its high-strength construction ensures operational reliability even in the most demanding harvest conditions.

The system measures the product's moisture, temperature, weight and specific weight, with optional NIRS data integration. Advanced weighing-filter software, combined with carefully optimised calibration curves, delivers accurate measurements directly in the field, with no need to stop. Fully integrable with the Automata ZEMIRA software for the management and collection of experimental data.

Optimised to enable continuous harvesting with no stops between plots, maximising the combine's operating efficiency and the number of plots that can be processed per day.

KEY DATA

Up to 37.6 L

Max weighing capacity

Ultra-compact

For compact plot combine harvesters

4 quantities

Moisture, temperature, weight, specific weight

NIRS

Optional real-time analysis

HIGHLIGHTS

- ✓ High-strength construction for compact single-plot combine harvesters.
- ✓ Measurement of the product's moisture, temperature, weight and specific weight.
- ✓ Advanced weighing-filter software and optimised calibration curves: accurate in-field measurements with no stops.
- ✓ Fully inspectable for easy cleaning and access to the mechanical and measurement components.
- ✓ Every configuration is customisable to the project's specifications for maximum integration flexibility.

TECHNICAL DATA

COMPACT

For compact single-plot combine harvesters

Max weighing capacity	37.6 L
Plots	Single plot
Measured quantities	Moisture, temperature, weight, specific weight
Sample volume for specific weight	2.5 L
Measurable moisture range	3% – >38%
Temperature compensation	Yes
NIRS sensors	Polytec PAS® + others, contact us for details
Sampling	Automata pneumatic sampler, in-cab collection
Sample identification	Barcode or RFID tag
Power supply	10.5–26 V
Operating temperature	1–50 °C
Storage temperature	-20 °C / 60 °C
Installation	Compact single-plot combine harvesters

APPLICATIONS

Integration flexibility for every requirement

Every configuration is customisable to the customer's needs, offering maximum integration flexibility for both the end user and the system integrator. We install COMPACT in our own workshops, through accredited partners or directly at the customer's site. We provide a dedicated support service, with fast delivery for urgent spare parts and remote tele-assistance worldwide.

Agronomic experimentation

Varietal research and breeding

Trial and variety-testing centres

OEM manufacturers of compact plot combine harvesters