



**Model G939 IP**

**Model G939 STD**

**G939**

Grain Moisture  
Testers

# G939 - Grain moisture testers



## The G939 Series combines simplicity of use and high accuracy in moisture measurement of whole grains and seeds.

The G939 Series was developed in accordance with the quality standards required by national and international metrology regulatory organizations to allow moisture control throughout the process, either in harvesting, drying, storage and trade of grains and seeds. No operator dependence measured with high accuracy and repeatability moisture content of the sample in a few seconds.

Performs tests nondestructively. Just pour the indicated amount of sample at the receipt in the funnel meter and the G939 automatically starts the measurement procedure, performing temperature and weight measurements of the product to then download it into the test chamber where it will be measure moisture.

The accuracy of the measurement of a wide range of products is guaranteed by the new self calibration function, which adjusts the measurement system before each measurement. The G939 Series enables updating and selection of calibration curves via the Internet, through the unique system created by Gehaka.

### The available G910 models are:

**G939 STD** - No printer

**G939 IP** - With compact thermal printer attached at the tester front panel

More than one hundred twenty are the default calibrations available and up to 250 can be accommodated.

The calibration curves were obtained in the laboratory using standard methodology drying oven set on the international standards and are re-evaluated every year, considering all types of grains and seeds produced in Brazil and other countries.

It also has a new compensation algorithm to correct automatically the sample moisture due to the temperatures effects of the sample temperature and the meter.

The G939 calculate all necessary corrections and indicate at the alphanumeric display in the following readings of test sample:

- The sample moisture percentage (%U).
- Temperatures (°C or °F).

After each measurement the tester software generates reports that can be printed or transferred to a computer system recording of all measurement parameters, such as, sample moisture content; sample and tester temperatures; date and time; product name; sample weight; tester serial number; firmware, hardware and commodity calibration versions, according to the ISO / GLP and GMP procedures.

Gehaka grain moisture test laboratory is part of the RBLE - Brazilian Test Laboratory Network Set of Laboratories accredited by the General Accreditation Coordination of Inmetro (Cgcre) for the execution of test services.



The calibration curves of Gehaka moisture testes are designed with thousands of grain samples collected throughout the national territory over successive crops.

## Specifications

Moisture measurement range	From 1 to 50%, depends of the product
Sample weight	Depends of the product
Electronic scale incorporated	1.000 g ± 0,3 g
Tester operation temperature	From 0 ° to 50 °C
Net weight of the tester	5,7 Kg
External dimensions	345 x 311 x 192 mm
Energy source	Automatic input from 90 to 240 VAC 50/60 Hz - Out put 5 VDC
Consume	5 Watts
Type of port communication	Standard RS 232 C
Warranty	One year
Technical assistance	Contact the manufacturer or an authorized local service partner

## Accessories: (supplied with the equipment)

- Instruction user manual
- Oval plastic cup
- DB9 x DB9 - RS 232C connection cable
- Chamber test cleaning brush

## Optional: (supplied separately)

- RS 232C / DB9 for standard USB adapter
- Compact thermal printer, model IG200
- Carrying case



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