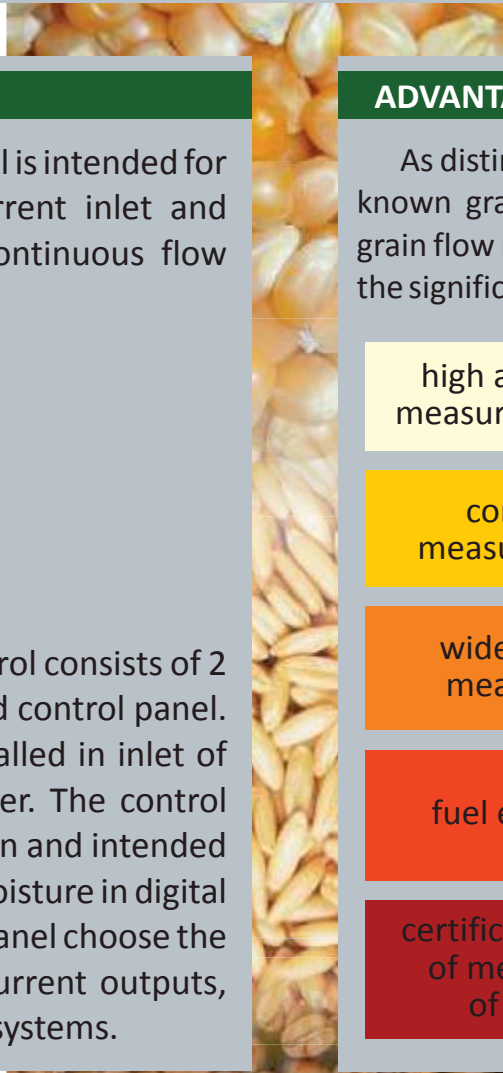


# THE SYSTEM OF ONLINE MOISTURE CONTROL FOR GRAIN DRYERS ON BASE OF MICROWAVE SENSORS A 315-60

## CONTINUOUS MEASUREMENT OF MOISTURE



### DESCRIPTION

The system of online moisture control is intended for continuous measurement of the current inlet and outlet moisture of the product in continuous flow grain dryers.

Measured products:

- wheat, barley, triticale, rye, corn*
- peas, rape, sunflower, sorghum*
- soybeans, rice, etc*
- coffee*

The system of online moisture control consists of 2 (two) microwave moisture sensors and control panel. One real-time moisture sensor is installed in inlet of dryer and another is in outlet of dryer. The control panel is installed in the operator station and intended for monitoring the input and output moisture in digital forms and trended. From this control panel choose the type of product and scaling of two current outputs, proportional moisture for automation systems.

### ADVANTAGES

As distinct from the all worldwide known grain moisture sensors, the grain flow moisture sensor A 315 has the significant advantages:

high accuracy of moisture measurement (max +/- 0.5%)

continuously online measurement of moisture

wide range of moisture measurement (5-40%)

fuel economy up to 38%

certificate the State Register of measuring equipment of Republic Belarus

### APPLICATION

moisture control in Grain Dryers

mills and production of bread

coffee-drying



## TECHNICAL DETAILS

### Sensor A 315-60

measurement range of grain moisture in the flow	5-40%
permissible limit moisture measurement absolute error from 5% to 18%	±0,5 %
permissible limit moisture measurement absolute error from 18% to 40%	±1,0 %
required grain flow temperature	5...+55°C
ambient temperature	0...+55°C
operating mode	continuous
supply voltage	24 DC
current output	4-20 mA
power consumption	up to 5 W
the IP Code (International Protection Rating)	IP-65
sensor weight	6.5 kg
full mean service time (provided observance the storage conditions at winter season)	8 years and more

