TwistGrain

- light and super handy – a fast and reliable measurement in any situation
- accurate measurement – precise determination of grain moisture

What makes it unique:

- **Screw cap with buzzer**
  Innovation – audio alert on sufficient grain compression
- **Clear display**
  Backlit display with adjustable brightness and backlight time
  Clear result of measurement (large digits) visible even in the sun
- **Adding new species**
  Possibility of adding new grain species to the list
- **Reading modification**
  Easy result correction
- **Intuitive menu in numerous language versions**

Precise and fast measurement

- Average measurement accurateness ±0.5% for normalized grain
- Digital readout with 0.1% resolution
- Short measurement cycle – several seconds
- Displaying an average result from 3 consecutive measurements
- Grain temperature display
- Automatic temperature compensation

Species and measurement ranges

1. Rape 4.5% – 25%
2. Rye 9.0% – 30%
3. Durum wheat 9.0% – 30%
4. Common wheat 9.0% – 30%
5. Spring barley 9.0% – 30%
6. Triticale 9.0% – 30%
7. Oat 9.0% – 30%
8. Corn 9.0% – 40%
9. Pea 10% – 17%
10. Buckwheat 10% – 17%

In addition to the above species, users can enter several tens of species on their own, under which they can preset their own calibrations for new species.

What is modification used for?

Dramiński TwistGrain gives possibility of modifying calibration curves. Moisture meter users can calibrate the device on their own, i.e. modify preset moisture curves for each species, which curves have been created based on comparative studies with the use of an oven-drying method.

Calibration consists in modifying (correcting) meter readings by increasing or decreasing the value of readings for a given species by the same amount within the entire measurement range. Modification is made, if the user finds that for a given species a device tends to overestimate or underestimate the results by a similar value within the entire moisture range.

The set includes:

- DRAMIŃSKI Twist Grain moisture meter with a clamping nut,
- transport case,
- carrying strap for the case, which allows hanging,
- 4 x 1.5 V AA type alkaline battery,
- 1 x 3V CR2032 type battery (mounted on the nut),
- a colour transport packaging made of laminated cardboard,
- manual.

Technical data

Dimensions	16.5 × 7.0 × 7.5 cm
Unit weight	500 g (with a set of batteries)
Sample loading	Manual
Sample volume	90 ml
Moisture measurement method	Impedance
Power supply	4 batteries type AA 1.5 V, 1 battery type CR2032, 3V
Estimated life of battery set	about 29 h
Battery low indication	Automatic (“Battery low” icon)
Power input	from 80 to 120 mA depending on user’s settings

Measurement control	Single chip microcomputer
Display	LED backlit graphic LCD
Keyboard	membrane
Measurement resolution	temperature – 1°C, humidity – 0,1%
Data modification	using keyboard – Data modification option
Accuracy of moisture content measurement	± 1 % in the range up to 10 % of humidity , ± 1,5 % in the range above 10 % of humidity and can increase with increasing of sample's moisture content
Accuracy of temperature measurement	± 1°C
Temperature compensation	Automatic
Recommended working temperature	from 10°C to 35°C
Recommended storage temperature	from 5°C to 45°C