

# Martin Lishman

# Moisture Meters



## PROTIMETER



*New Grainmaster i2*



**Professional Crop Moisture Measurement**

# Moisture meters for use in the grain store



## PROTIMETER *Grainmaster i2-S*



### Save money with regular servicing

Avoid deductions and the cost of overdrying by cleaning and servicing the Grainmaster i2-S regularly. We service all makes of moisture meter to conform with quality assurance schemes, or you can do a simple calibration check at one of our moisture meter clinics. See our website for further details.

### NEW Grainmaster i2 Store Management App

Download moisture and temperature readings instantly using the Grainmaster App. Readings from the meter or any of the optional probes can be sent instantly via Bluetooth to a smartphone, speeding up the recording process and making it easier to provide evidence for crop assurance schemes.

The App allows the user to manage multiple crop stores. Using on-screen store maps monitoring changes to crop moisture or temperature is much simpler. Results can be viewed in the App or exported in either graph or table form. Search *Grainmaster* on the App stores.



### Still BEST for ACCURACY

Built on the foundations of the UK's most popular moisture meter, the Grainmaster i2 offers the same accurate moisture measurement with new enhancements.

It is good practice to use a meter that has a track record for providing consistent, accurate and reliable grain moisture readings during harvest time and throughout drying

Using tried and tested crop calibrations, the robust electronics of the Grainmaster i2 give high levels of repeatability between samples.

The Protimeter Grainmaster i2-S is supplied in a hard carry case with a button dust protector, spare grinder-blade set, spare battery and free first year service voucher.

### Key Features

- 15 pre-programmed crop calibrations and 30 reference calibrations
- Easy calibration adjustment facility
- Automatic temperature compensation
- Multi Lingual options
- New keypad design
- Easy read backlit display
- USB connectivity
- Bluetooth enabled



### Optional external moisture and temperature probes for grain and straw

#### Grain Temperature Probe

Fast response 1.5m probe for checking stored grain temperatures. Ideal for quality assurance checks and simple cooling fan management.



#### Moisture and Temperature Probe

1.5m probe to measure moisture and temperature of grain in the store. Useful for checking drying progress, multiple intake measurements and quality assurance checks.

#### Bale Moisture Probe

600mm probe for checking hay and straw bale moistures



#### Bale Temperature Probe

600mm probe for checking hay and straw bale temperatures

## PROTIMETER *Balemaster*



### STRONG and EASY to Use

The Protimeter Balemaster is a 2-piece instrument and probe that really stands up to heavy farm and industrial use. Pressure can be used to force the probe into tough bales, without risk to the instrument. Helps decide if bales are in a safe condition to store or for assessment at power station intake points.



### Optional temperature probes for grain and straw

#### Bale Temperature Probe

600mm probe for checking hay and straw bale temperatures. 1.5m grain temperature probe also available.



### Balemaster Key Features

- Displays bale moisture instantly
- 600mm probe reaches the centre of big bales
- Suitable for all bales, including Miscanthus.

## PROTIMETER *Timbermaster*



### Ideal for WOODCHIP

The Protimeter Timbermaster is recognised as the best instrument for quick and simple woodchip moisture measurement. Supplied with a strong 600mm moisture probe to withstand heavy-duty use.

## Martin Lishman *Field Check*



#### Whole Grain Meter

Simple scoop action with built-in pressure indicator and compressor. Results displayed in seconds.



### Ideal for the COMBINE

Budget-priced, portable, robust meters ideal for checking trailers or drying progress. With whole or ground grain options, both meters give consistent repeat readings and can be re-calibrated to match other meters.

## Martin Lishman *Field Check<sup>PLUS</sup>*



#### Ground Grain Meter

Integral grinding handle with measuring cups to suit the crop and pre-set grinding action. Easy display navigation.

# Details and Specifications



## Protimeter Grainmaster i2-S (Product Code: GRN3000i2-S)

### Features:

#### 15 pre-programmed crop calibrations

- Wheat, Barley, Oats, Oil Seed Rape, Canola, Linseed, Peas, Beans, Maize, Sunflower Seed, Coffee Beans, Soya Beans, Milled Rice, Paddy Rice, Sorghum

**30 additional calibrations** (see [www.martinlishman.com](http://www.martinlishman.com))

#### Adjustable calibration and 0-100 scale user calibration facility

#### Automatic temperature compensation

#### Complete service pack

- hard carry case, operating button dust protector, spare grinder blade and feeder ring, spare battery, free first year service voucher (conditions apply).

**Multi Lingual Options** - EN, FR, DE, SP, IT. Others available to download on request

### Specifications:

**Meter accuracy:** +/- 0.5%

**Resolution:** 0.1

**Operating range:** Meter 0 - 40°C

**Grain or bale temperature probe 0 - 80°C**

**Weight** (c/w grinder-compressor): 950g

**Dimensions** (c/w grinder-compressor): 19.5 x 18.5 x 10 cm

**Power:** 1 x PP3 9V battery (included plus spare)

#### % Moisture ranges:

Meter only or with moisture/temperature probe for relevant calibrations (see left)

Barley: 10.9 to 29.3

Beans: 12.4 to 25.0

Canola: 7.0 to 26.0

Coffee: 9.8 to 23.9

Linseed: 7.0 to 16.5

Maize: 10.4 to 26.2

Oats: 10.9 to 29.3

OSR: 7.0 to 26.0

Paddy: 10.4 to 26.2

Peas: 12.0 to 30.9

Rice: 13.2 to 26.5

Sorghum: 10.2 to 26.9

Soya: 7.4 to 22.2

Sunflower: 6.2 to 23.0

Wheat: 11.3 to 29.3

With bale moisture probe in wheat straw: 8.5 to 36.8%

## Optional probes for Grainmaster i2-S



### Moisture and Temperature Probe (Product Code: GRN3005)

#### Features:

#### 1.5m probe for use with the Grainmaster i2-S

#### Measures moisture and temperature levels of grain in the store

(not suitable for making selling decisions)

#### 9 pre-programmed crop calibrations

- Wheat, Canola, Oil Seed Rape, Barley, Oats, Linseed, Beans, Peas plus user calibration using built-in 0-100 scale

## Temperature Probes

### Grain Temperature (Product Code: GRN6046)

- 1.5m stainless steel, fast response

### Bale Temperature (Product Code: GRN6155)

- 600mm stainless steel, fast response, T-bar handle



### Bale Moisture Probe (Product Code: GRN6138)

#### Features:

#### 600mm stainless steel probe with strong handle

#### Calibrated for wheat straw (suitable for other baled products)

#### Adjustable calibration using meter settings



## Protimeter Balemaster (Product Code: GRN6165)

### Features:

#### 600mm stainless steel moisture probe with strong handle

#### Calibrated for wheat straw (suitable for other baled products)

#### Auto-off, backlight, buzzer and moisture description functions

#### Optional Temperature Probes

#### Bale Temperature (Product Code: GRN6154)

- 600mm stainless steel, fast response, T-bar handle

#### Grain Temperature (Product Code: GRN6153)

- 1.5m stainless steel, fast response



## Protimeter Timbermaster (Product Code: GRN6156)

### Features:

#### 600mm stainless steel moisture probe with strong handle

#### Calibrated for wood moisture measurement

#### Auto-off, backlight, buzzer and moisture description functions

#### Optional Temperature Probes available (see Balemaster above)

## FieldCheck

(Product Code: CQ/FIELD)

Whole grain readings

## FieldCheck<sup>PLUS</sup>

(Product Code: CQ/FIELDPLUS)

Ground grain readings



### Features:

#### 14/15 pre-programmed crop calibrations:

Wheat, Barley, Oats, Rye, Maize, Oil Seed Rape, Peas, Beans, Triticale, Red fescue, Rye grass, Linseed, Sunflower, Mustard, Blue grass (Field CheckPLUS only)

#### Automatic averaging function

#### Automatic temperature compensation

#### Adjustable calibration facility

#### Hard carry case

### Specifications:

**Accuracy:** +/- 0.5% by using averaging and self-calibration

**% Moisture range:** 5-50% (crop dependent)

**Operating range:** 0 - 50°C

**Weight:** Field Check 1.6 kg, Field CheckPLUS 1.8 kg

**Dimensions:** Meter 13 x 21 x 8 cm; Case 32 x 29 x 12 cm

**Power:** 1 x PP3 9V battery (included)

## Martin Lishman Ltd is the sole UK distributor and service agent of Protimeter products for agriculture

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Martin Lishman Ltd reserves the right to alter product specifications at any time without notice.

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