

Sensegood Universal Grain Moisture Analyzer “**SUGMA**” Sensegood Instruments Private Limited – Product presence in 44 Countries



- ✓ Loaded with multi-commodity database
- ✓ Sensegood Digital Moisture Meters use high-frequency moisture sensing technology – waves penetrate inside the grain kernels and even accurately detect the bound (inner) moisture along with the surface moisture. (While most of the other make instruments just detect the surface moisture which are inaccurate.)
- ✓ Measurement of moisture in less than 10 seconds
- ✓ Non-destructive testing
- ✓ Can measure from very low to very high moisture ranges: 3% to 40% and beyond in some samples, with 0.1% resolution
- ✓ Accuracy +/- 0.5% in the measured moisture content
- ✓ Truly Portable, Small size, Light weight instrument (~17x10x8cm, ~400 gm).
- ✓ Latest Bluetooth Low Energy (BLE) enabled: Moisture reading in percentage, directly comes to the app in the mobile phone/ tablet.
- ✓ Automatic temperature compensation for accurate moisture measurements in various weather conditions. Measured temperature is also displayed onto the app.
- ✓ Powered by long-lasting lithium-polymer rechargeable battery. SUGMA can be charged by any 5 volts DC supply; can be a mobile phone adaptor, power bank, or computer's USB.
- ✓ Has LED indications for charging and Bluetooth connection.
- ✓ Apps compatible with both Android and iOS are available.

Easy Operation:

1. Power on the instrument and connect with the mobile app.
2. Press 'Tare' switch once after powering on the instrument.
3. Pour sample using the hopper. Press 'Test' switch to get sample's moisture & temperature in the App.



Calibrated as per the below mentioned international standards:

- ✓ ISO 712 : 1998: Cereal and cereal products: Determination of moisture content
- ✓ IS 4333 (part 2): 2002 (Reaffirmed in 2012): Method of analysis for food grains, Determination of moisture content: The sample is ground after pre conditioning. It is dried in a preheated oven at a temperature of 130°C +/- 3°C for 2-3 hrs till constant weight of the sample is achieved.
- ✓ ISO 6540: Determination of moisture content in milled grains and whole grains: Method: The sample is ground after pre conditioning. It is dried in a preheated oven at a temperature of 130°C +/- 3°C for 4 hrs till constant weight of the sample is achieved.
- ✓ ISO 665 : 2002 – Determination of moisture and volatile matter for oilseeds
- ✓ IS 3579-1966 (Reaffirmed in 2000): Method of test for oilseeds: The sample is ground after pre-conditioning. It is dried in a preheated oven at a temperature of 103°C +/- 2°C for 6-7 hrs till constant weight of the sample is achieved.
- ✓ ISO 939-2021: Spices - Determination of moisture content



World Wide
Supply



Easy to
Operate



Light Weight

Sensegood Universal Grain Moisture Analyzer – SUGMA – comes along with a sample hopper, charging cable, & a carry case. The mobile shown in above photograph is just for the indication and not provided along with the moisture meter.

Use Sensegood Instruments and Stay Ahead of Your Competition!

- Dr. Sanket S. Patel *Ph.D. Electronics* (Director)

WhatsApp: +91 85118 48002, moisture.sensegood@gmail.com

www.sensegoodinstruments.com

Manufacturer of PATENTED and AFFORDABLE Color Spectrophotometers, Colorimeters, Color Consistency and Color Difference Analyzers, Whiteness Meters, Yellowness Testers, Coffee Roast Analyzers, Digital Moisture Meters, Water Activity Meters, Reflectance Meters, and more.

Sensegood Universal Grain Moisture Analyzer “SUGMA” – Available Commodity Database –

The following commodity database can be freely accessed through the mobile application. One can measure the moisture of any of the following commodity using SUGMA. If your commodity is not in the following list, we can even develop the calibration for you, do let us know.

ALMOND	CELERY	HERBAL SEED
ASH GOURD SEEDS	CHANA GRAM	ISABGOL PSYLLIUM
ATTA WHEAT FLOUR	CHANADAL GRAM SPLIT	ISABGOL HUSK PSYLLIUM
BAJARA	CHIA	JETROPHA
BARLEY	CHILLI	JOWAR SORGHUM
BARLEY_HULLED	CLOVE	JUTE
BATRI	COCOABEANS 100GM	KABULI CHANA CHICKPEA
BESAN CHANA_GRAM FLOUR	COCOABEANS FULL VOL	KAPAS COTTON
BESAN KABULI CHANA CHICKPEA FLOUR	COFFEE BEANS	KARANJA FULL
BESAN MATAR PEAS FLOUR	COTTON SEED	KTCHD
SUPARI BETEL NUT	COTTON SEED CAKE	KTSNF
BHINDI OKRA SEEDS	CHOLA COWPEA LOBIA	LINSEED DOC
BHUSI BIG HUSK	COWPEA DAL SPLIT	LINSEED FULL
BHUSI SMALL HUSK	CUCUMBER SEEDS	LOTUS SEED
KARELA SEEDS BITTER GOURD	CUMIN	MAIDA FINE WHEAT FLOUR
BLACK PEPPER	DHANIYA CORIANDER	MAIZE FIBER BHUSI
BOTTLE GOURD SEEDS	DORB	MAIZE FIBER BHUSI BIG
BRINJAL SEEDS	FAVASEED FULL	MAIZE FULL VOL
CABBAGE SEEDS	FENNEL	MAIZE GLUTEN
CARDAMOM WITH SHELL	GREEN PEPPER	MAIZE
CARROT SEEDS	GROUNDNUT SEEDS	MASOOR LENTILS
CASHEW KERNAL	GROUNDNUT DOC	MASOORDAL LENTIL SPLIT
CASTOR SEEDS	GUWAR BEANS	METHI FENUGREEK
CASTOR DOC	GUWAR CHURI	MILLET GREY
CATTLE FEED	GUWAR GUM	MILLET KODO

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MILLET MIXED	PUVAD DAL	TIL SESAME SEEDS
MILLET YELLOW	QUINOA	TIL DOC SESAME
MOONG GREEN GRAM	RADISH SEEDS	TIVDA KHESRI
MOONGDAL SPLIT GREEN GRAM	RAGI	TIVDA KHESRI DAL
MOONGDAL WITH CHHILKA	RAJAMA KIDNEY BEANS	TOMATO SEEDS
MOTH BEAN DEW BEAN	RAJGARO AMARANTH	TOOR PIGEON PEA
MOTHDAL SPLIT DEW BEANS	RICE BASMATI	TOORDAL SPLIT PIGEON PEA
MUSKMELON	RICE BOILED	URAD BLACK GRAM
MUSTARD CAKE	RICE BROKEN	URAD GOTA
MUSTARD DOC	RICE FLOUR	URADDAL SPLIT BLACK GRAM
MUSTARD	RICE POLISHED	URADDAL_CHHILKA BLACK GRAM
NEEMFRUIT CAKE	RICE RAW	VAL LIMA BROAD BEANS
NEEM FRUIT	RIDGE GOURD TURIA	WATERMELON SEEDS
NIGER FULL	RUI	WHEAT
NONI	SAFFLOWER FULL	
ONION SEEDS	SNAKE GOURD SEED	
PADDY	SOYA DOC	
PADDY BIG	SOYA VADI	
PADDY SMALL	SOYABEAN	
PARACETAMOL POWDER	SPINACH	
PEAS	SPONGE GOURD	
PEAS DAL SPLIT	SUJI WHEAT COARSE FLOUR	
POTATO SEEDS	SUNFLOWER FULL VOL	
POULTRY FEED	SUNFLOWER 50GM	
PUVAD	SUNFLOWER DOC	