

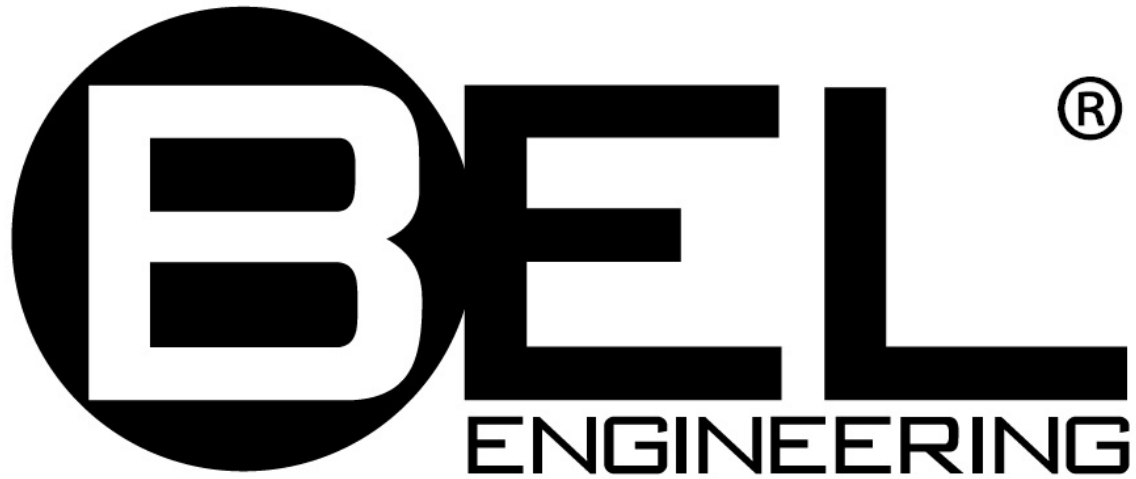
# i-Thermo Moisture Analyzer

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***Toshniwal***

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Manufactured by:



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***Toshniwal***

## i-Thermo Moisture Analyzer – Res. 0.0001g - 0.001g - 0.01g



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## i-Thermo Moisture Analyzers

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### Application of Moisture Analyzers:

The amount of moisture in a product can greatly affect the perceived quality of the product. Therefore it is important for manufacturers to test the moisture content present in the products they produce. The simplest, most accurate, and the cheapest method to measure the moisture is to use Moisture Analyzers.

Moisture Analyzers are perfect for measuring moisture in almost any product such as grains, pharmaceutical products, chemicals, foods, cosmetic products etc. The Moisture Analyzer consists of a weighing mechanism which weighs the sample that needs to be tested for moisture content. The Moisture Analyzer stores the weight data. The sample is then heated for a particular set of time using the Halogen – Infrared lamp. The heat causes moisture in the sample to evaporate thus lowering the weight of the sample. This difference in weight reflects quantity of moisture in the sample. The final reading is in percentages.

### Introducing the i-Thermo Moisture Analyzers:

The i-Thermo Moisture Analyzers are rugged instruments for moisture determination of raw materials and finished samples in the food, cosmetic, ceramics, agriculture, pharmaceutical and construction industries.

Adopting two microprocessors, one for controlling all functions of the analyzer and the other for total control of the furnace heat, BEL Engineering came to realize the ideal equipment for moisture determination of raw materials and finished products in the food, cosmetic, dairy, pharmaceutical, chemical, ceramics and construction material industries etc.

The philosophy to adopt two microprocessors in their Moisture Analyzers enabled BEL Engineering to introduce in a market a product with high performance at competitive cost. The i-Thermo Moisture Analyzer is the right choice since it provides great quality at competitive prices.



## i-Thermo Moisture Analyzer Models and Specifications

i-Thermo Moisture Analyzer Main Specifications							
Model Name	Capacity (g)	Resolution (g)	Pan (mm)	Repeatability (g)	Linearity (g)	Precision (2g)	Weighing System
i-Thermo A64M	60	0.0001	Dia. 100	0.0001	±0.0003	0.18%	Electromagnet Force Restoration
i-Thermo 163M	160	0.001	Dia. 100	0.001	±0.003	0.18%	Electromagnet Force Restoration
i-Thermo 163L	160	0.001	Dia. 100	0.001	±0.003	0.20%	High Resolution Load Cell
i-Thermo 62L	60	0.01	Dia. 100	0.01	±0.03	0.50%	High Resolution Load Cell

i-Thermo Moisture Analyzer Other Specifications					
Model Name	Span Drift (+10..+30°C)	L x W x H (mm)	Power Supply	Heater Supply	Weight (Kg)
i-Thermo A64M	±3ppm/°C	345x215x235	110-230Vac, 50/60Hz; Output 24V 500mA	230 Vac 50/60Hz 400 Watts	6.1
i-Thermo 163M	±4ppm/°C	345x215x236	110-230Vac, 50/60Hz; Output 9V 1.2A	231 Vac 50/60Hz 400 Watts	6.1
i-Thermo 163L	±4ppm/°C	345x215x237	110-230Vac, 50/60Hz; Output 9V 1.2A	232 Vac 50/60Hz 400 Watts	4.7
i-Thermo 62L	±4ppm/°C	345x215x238	110-230Vac, 50/60Hz; Output 9V 1.2A	233 Vac 50/60Hz 400 Watts	4.7

### i-Thermo Moisture Analyzer Features:

- Halogen - Infrared lamp
- External Calibration
- LCD with backlight and adjustable contrast
- Time (1-99min) with 1 minute increments and auto stop operating modules
- 5 drying programs can be stored
- Temperature Range: 35-160°C with 1°C increments
- Moisture, dry residue in percentage and ATRO indications
- Drying resolution 0.001% - 0.01% - 0.1%
- RS232 serial interface
- Plastic Protection Cover

## i-Thermo Moisture Analyzer Basic Price List

i-Thermo Moisture Analyzers		
Model Name	Ordering Code	Basic Price Ex Works
i-Thermo A64M	BL0363	On Request
i-Thermo 163M	BL0113	On Request
i-Thermo 163L	BL0118	On Request
i-Thermo 62L	BL0271	On Request



## i-Thermo Touch Moisture Analyzer

The i-Thermo Moisture Analyzer with large touch screen visor. Easy access and intuitive with programming of drying cycles in laboratory and in quality check lines; more efficiency, productivity and interactivity with the user.

A double case structure; an aluminium inner case and a composite plastic external case protects the heart of the Moisture Analyzer.

### i-Thermo Moisture Analyzer Main Specifications

Model Name	Capacity (g)	Resolution (g)	Pan (mm)	Repeatability (g)	Linearity (g)	Precision (2g)	Weighing System
i-Thermo 163L Touch	160	0.001	Dia. 100	0.001	±0.003	0.20%	High Resolution Load Cell

### i-Thermo Moisture Analyzer Other Specifications

Model Name	Span Drift (+10..+30°C)	L x W x H (mm)	Power Supply	Heater Supply	Weight (Kg)	Visor Weight (Kg)
i-Thermo 163L Touch	±4ppm/°C	345x215x237	110-230Vac, 50/60Hz; Output 9V 1.2A	232 Vac 50/60Hz 400 Watts	4.7	0.68

## i-Thermo Touch Moisture Analyzer Features

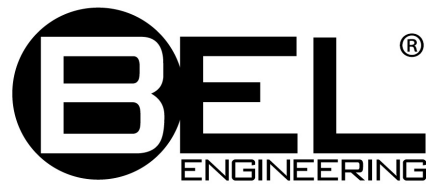
- Halogen - Infrared lamp
- External Calibration
- Touch Screen Large Display LCD 5.7" 640 x 480 pixels
- Time (1-99min) with 1 minute increments and autostop operating modules
- Temperature profiles (standard, rapid, mild, steps)
- Temperature Range: 35-160°C with 1°C increments
- Moisture, dry residue in percentage and ATRO indications
- Real time graph of drying process under process
- Drying resolution 0.01%
- RS232 serial interface, USB
- Plastic Protection Cover



## i-Thermo Touch Moisture Analyzer Price List

i-Thermo Moisture Analyzers		
Model Name	Ordering Code	Basic Price Ex Works
i-Thermo 163L Touch	BL0292	On Request





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