

**HIGH QUALITY
CUTTING EDGE ULTRASONIC MILK ANALYSER
AND THE LOWEST PRICE IN THE WORLD**

MASTER ECO

**HIGH QUALITY
HIGH TECH
CHEAPEST**



MULTILINGUAL DISPLAY



Waterproof keyboard.

Front panel with possibility for individual design.

Sample holder.

SPECIFICATIONS MASTER ECO:

Parameter	Measuring range	Accuracy
Fat	from 0.01% to 45%	± 0.06%
SNF	from 3% to 40%	± 0.15%
Density	from 1000 to 1160 kg/m ³	± 0.3 kg/m ³
Protein	from 2% to 15%	± 0.15%
Lactose	from 0.01% to 20%	± 0.20%
Added Water content	from 0% to 70%	± 3.0%
Temperature of milk	from 1°C to 42°C	± 1°C
Freezing point	from - 0.400 to - 0.700°C	± 0.005°C
Salts	from 0.4% to 4%	± 0.05%
pH (option)	from 0 to 14	± 0.05%
Conductivity (option)	from 2 to 14 mS/cm	± 0.05 (mS/cm)

Milk analyzer makes quick analyses of milk and liquid dairy products:

Cow milk (25%)	Whey	Concentrated milk (up to 1160kg/m ³)
Sheep milk	Cream (up to 45%)	Recovered milk
Buffalo milk	Skimmed milk (0.01% FAT)	Etc.

And can be calibrated by the customer with specific samples of:
Yoghourt, Flavored milk, Ice-cream mixtures etc.

The measurement accuracy
not dependant on milk's acidity
High-end ultrasonic technology
for analyzing any kind of milk

Easily readable results

**Self calibration
without computer**

KEY FEATURES:

User-friendly:
simple in operation,
maintenance, calibration
and installation

Portable and
compact design

Very small quantity
of milk required (9ml)

Low power consumption

No use of hazardous
chemicals

One year full warranty

Adjustments of the
measurement accuracy
can be done by the
RS 232 Interface

ESC POS Printer Support

Two samples
self-calibration

Bluetooth, RS232 and
USB technology

MEASURING PARAMETERS:

Fat
Solids-non-fat (SNF)
Density
Protein
Lactose
Milk sample temperature
Added water
Salts
Freezing point
Total Solids (option)
pH (option)
Conductivity (option)
Ion meter (option)



ENVIROMENTAL CONDITIONS:

Ambient air temperature
10°C - 40°C

Milk temperature
1°C - 43°C

Relative humidity
- 30%-80%

ELECTRICAL PARAMETERS:

AC Power Supply voltage
220V/110V

DC Power Supply
voltage 12V

Power Consumption
30W max.

MECHANICAL PARAMETERS:

Dimenasons (WxDxH)
139x47x181mm

Weight < 0.9kg

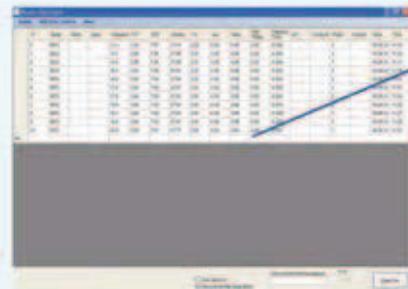


Embedded function real date and time - registers the exact time for delivery of milk in the milk collecting center



Conductivity - built-in conductivity sensor gives high performance freezing point analysis - avoid poor quality milk due to added water; detects mastitis and falsification with added salt

Visualisation out of range measurement



MILK DATA Program:
milk collection accounting and management software.



1. Power switch
2. 12V input
3. Permanent laser engraving, possibility for custom logos or text inscription.
4. Highly effective, long life peristaltic pump
5. Serial interface (RS232/printer)
6. USB/RS232 interface (option)
7. USB Flash drive (option)
8. pH (option)

Integrated Bluetooth communication system

With Bluetooth
One more possibility for data transfer to PC
Transmit Power - max. 18 dBm

Receiving Sensitivity
90 dBm
Inbuild antenna
Working distance
(at open field) Nom. 100m

