

# MA-815

Milk Analyser

**Essae**<sup>®</sup>  
...for Excellence



Setting a higher standard in Milk Analysis

Industrial Design  
  
in Germany



## Technical Specifications

Model	MA-815	MA-815SS
Technology	Ultrasonic Sensor	
Measuring Time	38 sec @ 30° C Milk temp	
Milk Acidity	<25° T ( degree Thorn)	
Milk Measuring Temperature	10° C ~ 40° C	
Milk Sample Volume	25 ml	
Display	2 x 20 Character LCD Display with Green Backlight	
Keyboard	4 Keys	
<b>Power</b>		
AC Voltage	160 V ~ 270 V / 50 Hz	
DC Voltage	12 V ~ 14.2 V DC / 3.5 A	
Consumption	40 W	
DC Cable	DIN connector with cable length of 1.8 meter	
<b>Environment</b>		
Ambient Air Temperature	10 ~ 40° C	
Relative Humidity	30 ~ 80 %	
Interface	1 x RS-232 Serial with Cable	
Cleaning	Manual & Auto	
Physical Dimensions	138 (W) x 265 (D) x 276 (H) mm	138 (W) x 251 (D) x 275 (H) mm
Weight	2.9 kg	3.6 kg
Enclosure	ABS	SS

Parameter	Range	Resolution	Accuracy
Fat	0.5 ~ 15 %	0.1 %	+/- 0.1 %
SNF	3 ~ 15 %	0.1 %	+/- 0.2 %
Added Water	0 ~ 99 %	1 %	+/- 3 %
CLR	20 ~ 40	0.5	+/- 1
Lactose	1 ~ 8 %	0.1 %	+/- 0.2 %
Protein	1 ~ 6 %	0.1 %	+/- 0.2 %
Salt	0.2 ~ 1.5 %	0.1 %	+/- 0.2 %

## Salient Value

- Manual cleaning for superior performance
- High precision for high fat milk
- Selectable DATA format for easy interface with any dairy software
- Cleaning & calibration records for service with time stamp

MA-815SS



Manual cleaning



Bright green LCD display



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