

# MA-815

Milk Analyser

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



*Setting a Higher Standard in Milk Analysis*

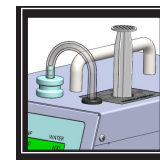


Industrial Design  
  
in Germany

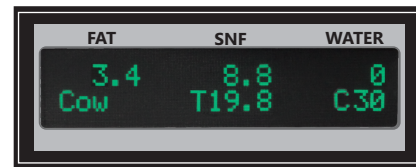


Model		MA-815	MA-815SS
Technology		Ultrasonic Sensor	
Measuring Time		38 sec @ 30° C Milk temperature	
Milk Acidity		<25° T ( degree Thorn)	
Milk Measuring Temperature		0 ~ 40° C	
Milk Sample Volume		25 ml	
Display		2 x 20 Character LCD Display with Green Backlight	
Keyboard		4 Keys	
Power	AC Voltage	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	
Environment	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	3.65 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 ~ 100 %	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 %



Manual Cleaning



Bright GREEN LCD Display

### 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

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