



CMA Junior Product Specifications

Closure Dimensions	
Standard Closure sizes* *One size per instrument	13 mm, 20 mm or 48 mm
Other Closure sizes (optimal)	Yes
Measurements	Range
Capacitance	1-1000 pF
Quality Factor	Abs 1- 1000
Temperature Environment Range	-40 °C to 120 °C
Ambient Humidity Environment Range	20 % to 80 %
Time and date	Yes
Recorded Data	
Time (00:00:00)	Yes
Date (dd/mm/yy)	Yes
Dielectric Properties	Yes
Average Moisture Content of the Closure	Yes
Standard Deviation of Average Moisture Content	Yes
Ambient Temperature	No
Ambient Relative Humidity	No
Operator Name	No
Test Identification	Yes
Closure Manufacturer	No
Composition or Type	No
Data Display Formats	
Histogram Plot with Pass/Fail Limits in terms of moisture content of closure	Yes
Frequency Distribution Plot as a function of the moisture content	Yes
Tabular Data	Yes

System Security	
Test data permanently stored	Yes
Username and password	No
Language	
English (standard)	Yes
English and Spanish (optional)	No
English and Portuguese (optional)	No
Software Features	
Built-in User Manual	No
Printed Manual	Yes
Self diagnostic test check	Yes
Supplied with demonstration correlation data for a lyophilization closure	Yes
Measurement Operation	
Automatic	No
Manual	Yes
Speed -	1 second
Average time for performing closure test	25 seconds
Interface Input	
PC required to run supplied software	Yes
Total Weight	
40 lbs (18 kg)	Yes
Dimensions	
Base Unit	20 L x 19 W 8.25 H (in) 508 L x 483 W 210 H (mm)
Operating Environment	
Temperature	0 °C to 50 °C
Storage	-40 °C to 71 °C
Humidity	<75% @ <40 C
Power	
100 to 240 VAC (50-60 Hz)	Yes
Wattage – 500	Yes
Warranty	
One year (extended warranty available)	Yes

