



TECHNICAL SPECIFICATION OF SUPPLY, DELIVERY, INSTALLATION AND  
COMMISSIONING OF DIGITAL COOKING OIL TESTER

Item No.	Name of Equipment	Technical Specifications																																			
1	Digital Cooking Oil Tester	The digital cooking oil tester should determine the quality of various types of cooking oil. The oil temperature in °C and the oil quality in percent TPM (Total polar materials) should be determined by the instrument. The instrument should give results by directly dipping the probe in hot oil.																																			
		Particulars	Requirements	Range	Total Polar Materials (TPM) : 0.0 to 40.0% Temperature : 0 to 225°C	Accuracy	±3 % TPM ±1.5 °C	Resolution	Not more than 0.5 % TPM Not more than 0,1 °C	Application temperature	40 to 200 °C	Operating temperature	0 to 50 °C	Operating humidity	0 to 90 %RH	Reaction time	Within 60 sec	Protection class	Minimum IP65	Length probe shaft	Minimum 170 mm	Length probe shaft tip	Minimum 35 mm	Diameter probe shaft	Minimum 11 mm	Diameter probe shaft tip	Minimum 10 mm	Battery life	Minimum 20 h in continuous operation	Display type	LCD, 3digits	Display lighting	traffic light function that displays the oil quality in color	Warranty	Minimum one year	Installation and operation	Vendor shall install and operate the instrument at the site with user provided samples.
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Vendor must supply all accessories and items required for installation and proper functioning of the instrument.																																					
Instruction manual and test certificate to be provided.																																					

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