

DISTELL.COM

MEAT FATMETER

MODEL 1092



**LARGE SENSOR HEAD MODEL
SUITABLE FOR ALL MEAT SAMPLES**

**THE QUICK AND EASY WAY TO
MEASURE THE FAT CONTENT OF
MEATS & MEAT PRODUCTS**



DISTELL'S UPGRADED MEAT FATMETER... IS NOW AVAILABLE.

THE HAND HELD INSTRUMENT IS PLACED IN CONTACT WITH THE MEAT, A BUTTON IS PRESSED, AND THE FAT/OIL CONTENT ;OF THE SAMPLE IS DISPLAYED ON THE DIGITAL READOUT, AND CAN BE OUTPUT TO DATABASE IN REAL TIME, OR, AS HISTORICAL DATA.



MORE PORTABLE... INTERNAL BATTERIES... NO EXTERNAL BATTERY OR CONNECTING LEAD.

NEW MICROPROCESSOR... USER MENU...COMPRISING... MEASUREMENT MODE WITH FLEXIBLE MEASUREMENT ROUTINES. EASY PRODUCT/CALIBRATION SELECTION, ENHANCED DATA DOWNLOAD, REAL TIME DATA MODE, & RESEARCH MODE.

INCREASED RANGE... MEASUREMENTS FROM 1-80% (WHERE APPLICABLE)

CHOICE OF 20+ STANDARD MEAT CALIBRATIONS... BEEF, PORK, POULTRY, LAMB, VENISON, ETC.

DATA MANAGEMENT SOFTWARE... PROVIDES ANALYSIS AND REPORTING FUNCTIONS...ABILITY TO CREATE BATCHES OF DATA, ANALYSE DATA, EXPORT DATA.

THE FATMETER IS...NON-DESTRUCTIVE, AND NON-INVASIVE, OPERATING EQUALLY WELL ON FRESH OR DEFROSTED MEAT PRODUCTS.

THE FAT / OIL CONTENT OF LARGE NUMBERS OF MEAT SAMPLES CAN BE DETERMINED QUICKLY, PROVIDING PROCESSING AND QUALITY CONTROL INFORMATION.

- UNRIVALLED TECHNOLOGY, SIMPLE AND EASY TO USE
- ACCURATE, RAPID MEASUREMENTS, NON-DESTRUCTIVE
- CALIBRATIONS AVAILABLE FOR RANGE OF MEATS



PRINCIPLE OF OPERATION...

THE FAT/OIL CONTENT OF MEAT IS RELATED TO THE WATER CONTENT OF THE NATURALLY OCCURRING MEAT, AND THE MEASUREMENT OF ONE PARAMETER SERVES IN DETERMINING THE OTHER. THE FATMETER USES A MICROSTRIP SENSOR, WHICH IS SENSITIVE TO THE WATER CONTENT OF THE MEAT. THE INFORMATION THUS OBTAINED IS INTERNALLY PROCESSED TO GIVE A CALIBRATED READING OF THE FAT CONTENT.

RESEARCH INTO THE PRINCIPLES OF THE INSTRUMENT WERE FIRST CONDUCTED BY MAFF'S TORRY RESEARCH STATION, ABERDEEN, SCOTLAND...USING A LARGE QUANTITY OF MINCE/GROUND MEATS FROM DIFFERENT SPECIES. SINCE THEN MANY RESEARCH PROJECTS USING THE FATMETER HAVE BEEN CARRIED OUT AROUND THE WORLD. TECHNICAL PAPERS ON THE METER, AND RELATED TOPICS, HAVE BEEN PUBLISHED.

TECHNICAL SPECIFICATIONS

SENSOR HEAD...	MICROWAVE FREQUENCY	2 GHz (+/-20 MHz)
	MICROWAVE POWER	2 mW
	DIMENSIONS	80 x 25 x 10MM
	MATERIALS	STAINLESS STEEL, PTFE
SENSOR ENCLOSURE...	DIMENSIONS	195 100 x 40MM
	WEIGHT (INCL BATTERIES)	725 GMS
	MATERIAL	ABS PLASTIC. WATERPROOFED TO IP65
DISPLAY...	LCD, 2 LINES X 12 CHARACTERS	
MICROPROCESSOR...	OPERATIONS CONTROLLED BY MENU DRIVEN SOFTWARE. UP TO 80 CALIBRATIONS CAN BE PROGRAMMED INTO THE METER	
BATTERIES ...	INTERNAL, NICKEL METAL HYDRIDE (NiMH)	