

DISTRELL.COM

FISH FATMETER

MODEL 692



**LARGE SENSOR HEAD MODEL
SUITABLE FOR THE LARGER FISH SPECIES**

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



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

THE HAND HELD INSTRUMENT IS PLACED IN CONTACT WITH THE FISH, 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 60+ STANDARD FISH CALIBRATIONS... SEA FISH, FARMED FISH & CUSTOM CALIBRATIONS

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 LIVE, DEAD, OR DEFROSTED FISH.

THE FAT / OIL CONTENT OF LARGE NUMBERS OF FISH 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 FISH SPECIES



PRINCIPLE OF OPERATION...

THE FAT/OIL CONTENT OF FISH IS RELATED TO THE WATER CONTENT OF THE NATURAL FISH, AND THE MEASUREMENT OF ONE PARAMETER SERVES IN DETERMINING THE OTHER. THE FATMETER USES A MICRO-STRIP SENSOR, WHICH IS SENSITIVE TO THE WATER CONTENT OF THE FISH. 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 FISH OF 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 MICROWAVE POWER DIMENSIONS MATERIALS	2 GHZ (+/-20 MHZ) 2 MW 80 x 25 x 10MM STAINLESS STEEL, PTFE
SENSOR ENCLOSURE...	DIMENSIONS WEIGHT (INCL BATTERIES) MATERIAL	195 100 x 40MM 725 GMS 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)	
CHARGER	UNIVERSAL CHARGER & POWER SUPPLY	