



Tuna fat content measurement in a second by NIR

PIPiTORO[®] S-7070

- Quick measurement by Near Infrared Spectroscopy
- Water proof (IPX6) and stable anti-tip structure
- Clear display under sunshine

Easy quick tuna fat measurement

Tuna Fat Content Analyzer

Push the button to start measurement and in a second fat content is shown.



Trademark registration : No. 6036439
Design registration : No. 1594066

■ SPECIFICATION

Model	PiPiTORO/S-7070		
Measurement method	Near infrared spectroscopy	Measuring Item	fat content (%)
Fish species	Bigeye tuna ※ Other species are also possible by generating a new calibration model.		
Display	Electronic Paper		
Spectrometer	Grating spectrometer		
Detector	Linear array CMOS		
Wavelength range	880~1020nm		
Wavelength resolution	about 3nm FWHM	Measuring time	about 1 second
Noise	less than 50 μABS (measured with standard white reflector)		
Exposure time	1~999msec	Averaging times	1~999
Light source	Small tungsten lamp (5 pcs)	40,000h life	
Power supply	Lithium ion battery (4 hours continuous use possible)		
Materials	ABS resin (basic) Polyacetal resin (standard white reflector unit)		
Waterproof	IPX6		
AC adapter	AC 100~240V, 50/60Hz		
Environmental condition	Temperature 10°C~35°C Humidity 80% or less without condensation		

■ Results of measurement are managed by a PC

Measurement results saved in the instrument can be downloaded to a your personal computer via a memory card or Bluetooth ,and a USB cable.



■ Size • Main feature



- Specifications and the external view would be changed without notification.
- The color of the products differ from the color of the catalog somewhat.

■ Standard configuration

- Main Body
- Standard white reflector unit
- Software
- Memory card
- Lithium ion battery
- AC adaptor
- Battery charger
- USB cable :USB(A)male-USB(micro-B)male

■ Option

- Multivariate Analyzing Software calculation program
- Storage hard case
- Storage soft case (w/shoulder strap)

■ Additional original calibration curve

A new original calibration model could be generated by multivariate analyzing software, from chemically analyzed values and near infrared spectra and can be installed into the instrument.

Compensation of the instrument difference is possible by standard basic correction method.

※The file format of the data: CSV

※A personal computer is not attached to this product.

※Multivariate analyzing software is not included in this product.

※Special software needs to be installed to read out the results from the instruments by using PC.

Soma
SOMA OPTICS, LTD.

Joint research and developer



National Research and Development Agency
Japan Fisheries Research and Education Agency

Sales agency

23-6 HIRAI,HINODE-MACHI,NISHITAMA-GUN,TOKYO
190-0182 JAPAN
Phone :+81-42-597-3256 Facsimile :+81-42-597-3208
E-mail: sales@somaopt.co.jp
URL: https://somaopt.co.jp