

ICAR- CIFTEQ® Ciftfresh FS -Fish Freshness Sensor

Salient features

➤ Hand-held, affordable, reliable, rapid, non-destructive and easy to use instrument for assessing the level of freshness of fish.

Advantages

✓ Helpful for the wholesale and retail vendors, roadside/street fish sellers, individual households, restaurants/hotel or anyone who purchases fish for consumption.

Specifications

Dimension: 165 mm × 170 mm × 90 mm

Total weight: 1 kg

Raspberry Pi-3

LCD display module

Power bank (5v & 2A)

A webcam



Machine developed by

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Year

2018

Price / Unit

Rs. 5,000/-+GST

More information

Status of commercialization / Patent / Publication

- Samuel., M. P., Murali, S., AniesraniDelfiya, D.S., Alfiya, P.V., Binsi, P. K., Murugadas. V., Harikrishnan, S and Kunjulakshmi, S. 2019. Portable, handheld fish freshness assessment sensor for Mackerel (Brochure in English), ICAR-CIFT, Cochin.
- Kunjulakshmi, S., Harikrishnan, S., Murali, S., D'Silva, J. M., Binsi, P. K., Murugadas, V., Alfiya, P.V., Aniesrani Delfiya, D.S., Manoj P. Samuel. (2020). Development of portable, non-destructive freshness indicative sensor for Indian Mackerel (*Rastrelliger kanagurta*) stored under ice. Journal of Food Engineering, 110132.<https://doi.org/10.1016/j.jfoodeng.2020.110132>