

FOOD LIGHT STATION FOR RADIATION MONITORING OF FOODSTUFFS, LIQUID AND DRY MATERIALS

Areas of Application

Portable workstation for complex radiation monitoring of foodstuffs, liquid and dry materials provides measurements in stationary and mobile conditions

Specification

The device uses scintillating detectors based on 63×63 mm CsI (Tl) crystals. The device is equipped with 40 mm thick lead protection that shields the measuring sample from external influence;

Products to be measured are placed in 1 liter Marinelli vessel;

Volume of liquid samples must be, at least, 1 liter; the weight of dry sample must be, at least, 1 kg;

Connected to a computer the device can operate as gamma spectrometer and keep measurements database



Stage of Development. Suggestions for Commercialization

IRL8, TRL9

Production sample; sale of device; manufacture, commissioning, testing, and supply of device, staff training and maintenance during warranty period are provided upon request; creation of engineering capability for manufacturing a basic configuration; prototype finalization and serial production; further upgrade of production, customization of engineering solutions for the key sales markets

Advantages

High speed of calculations and stability of measurement results

IPR Protection

IPR1

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