

# Gamma Ray Water Content Detector

This gamma ray detector is designed for detecting radioactivity in environmental, building, and decorative materials. It can also locate underground water sources and determine the density of solid substances.



## Overview

### Precision Gamma Ray Detection

The Gamma Ray Water Content Detector is a specialized instrument engineered for the precise measurement of water presence and concentration. Utilizing advanced NaI (TL) crystal technology, this device ensures reliable and accurate readings across various industrial and scientific applications. Its robust, portable design makes it an ideal solution for geological surveys, construction material testing, and environmental monitoring tasks.

## Technical Specifications

### Sensitivity

**4 ppmeu**

Sensitivity

|                   |                                |
|-------------------|--------------------------------|
| Measurement Range | 0 - 9999 (with overflow alarm) |
|-------------------|--------------------------------|

|               |   |
|---------------|---|
| Detector Type | NaI (TL) crystal, $\text{Æ}30 \times 25 \text{ mm}$ |
|---------------|---|

## Physical Characteristics

|            |                   |
|------------|-------------------|
| Dimensions | 204 x 200 x 46 mm |
|------------|-------------------|

|        |      |
|--------|------|
| Weight | 1 kg |
|--------|------|

## Operating Environment

|                       |               |
|-----------------------|---------------|
| Operating Temperature | 10°C to +50°C |
|-----------------------|---------------|

|                   |      |
|-------------------|------|
| Relative Humidity | 85 % |
|-------------------|------|

## Power & Utilities

|              |  |
|--------------|--|
| Power Source | Rechargeable Batteries, External Charger |
|--------------|--|