



# HHRF

Radio Frequency **Moisture** Gauge

The Ultimate in Handheld Portable Design

**PROCESS SENSORS**  
CORPORATION 

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## The Ultimate in Handheld Portable Design

### Product Overview

Process Sensors' new **HHRF** handheld moisture sensor is a pure dielectric RF moisture gauge, using enhanced phase lock referencing on the generated frequency to measure shift in resonant frequency due solely to changes in moisture throughout the sampling volume. The measurement is not influenced by ionic strength.

The ultimate in portable design. With an easy to grip handle, the **HHRF** is light weight and simple to maneuver. **HHRF** features a choice of highly visible display modes – numerical or graphical, and also incorporates ten (10) user programmable calibrations for current and future needs. Measurement modes include: free run, time average, plus a pre-zero function and gauge standardisation.

Operation is simple, using a touch membrane with seven keys. The user selects the function required and pushes the up/down keys to edit calibration variables.

The **HHRF**'s robust IP65/NEMA4 enclosure and its extended battery life promote longevity and practicality with up to six hours of use between charges. A USB interface is provided for download of stored measurements.



### Features

- **Extended operational life between recharges via:**
  - Auto power down
  - Efficient signal processing
  - Low energy use display
- **Minimal recharge time of 1 hour**
- **Light weight ergonomic design**
- **Enhanced Phase Lock Referencing**
- **10 User Programmable calibrations**
- **Pre Zero and Gauge Standardisation Functions**

### Specifications: HHRF

Measured Constituents: \_\_\_\_\_ Moisture  
Penetration Depth: \_\_\_\_\_ Dependant on application  
Operating Temperature: \_\_\_\_\_ 10-40°C (50-100°F)  
Calibrations: \_\_\_\_\_ 10  
Power: \_\_\_\_\_ 9 VDC  
Enclosure: \_\_\_\_\_ IP65/NEMA4  
Unit Dimensions: \_\_\_\_\_ (LxWxH), 11 x 4 x 3 inches  
(281x 105 x 85 mm)  
Weight: \_\_\_\_\_ 5 lbs (1 kg)  
Display: \_\_\_\_\_ Two Line LED

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For more information on Process Sensors instruments and accessories, visit our website at: [www.processsensors.com](http://www.processsensors.com)

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