# Radiologger - Receiver

T: 0844 815 6227 W: hanwell.com

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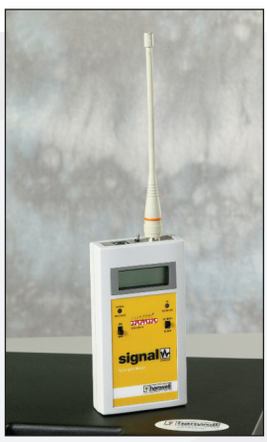
MONITORING & CONTROL



Radio reception often seems like a dark art, with signal strength fluctuating according to a variety of factors. From metal racking or shutters to historic building legacies, such as inner walls which were once outer walls, each site presents a unique radio profile. The Signal Strength Meter is a tool designed for analysing that unique profile and taking the arcane mystery out of positioning Hanwell radio equipment.

The Signal Strength Meter can be used in two ways:
• As a portable, battery powered meter for checking individual radio sensor transmission power or tracking down a mislaid but working unit.
• As a system performance or radio surveying unit connected to a PC.

The Signal Strength Meter can be supplied with either a fixed frequency (FF) or a synthesised frequency (SF) internal radio receiver fitted. It can also be supplied with an Internal or an External Receiver, or both. For example, a SSM-RXFF-Z690FF will have both an internal and external Receiver on 434.075MHz.

A simple interface allows you to set the ID number of a specific Sensor to be tested and to see the results immediately on the LCD screen. The unit can receive signals from both the Radiolog Sensors and legacy Sensors from our older systems.

The unit comes supplied with 32bit Windows software for capturing data and producing analytical reports on the signal reception. This data can also be exported in CSV form for use in 3rd party spreadsheet programs.

## Signal Strength Meter

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|---|---|
| ***Product Code*** | *DRRX* |
| ***Series*** | *Signal Strength Meter* |

***Typical Applications***
*° Radio mapping*
*° Single sensor range testing*
*° System analysis*
*°Tracking mislaid sensors*

***Instrument***
*Dimensions: 80 x 150 x 30 mm*
*Weight: 280 grams*
*Power Supply: 9V PP3 battery or 12V DC mains*
*Case Materials: ABS*
*Humidity Range: 10...90% RH non-condensing*
*Temp Range: 0...+50C*

***Communications & Software***
*Type: RS232 serial coms*
*Speed: 9600 baud*
*Software: 32bit Windows*
*Minimum O/S: Windows 2000, Windows XP, Windows NT*

***Internal Radio Receiver***
**adio Frequency: 434.075 MHz, 433.920 MHz, 433.875 - 434.650 Mhz in 25KHz increments*

***External Radio Receiver***
*Radio Frequency: 434.075 MHz, 433.920 MHz, 433.875 - 434.650 Mhz in 25KHz increments*

***Accessories***
*Code:*

| | |
|---|---|
| *G116* | *12V DC power supply* |
| *G117* | *UK power cord with moulded lead* |
| *G118* | *EU power cord with moulded lead* |
| *G122* | *US power cord with moulded lead* |
| *Y020* | *Spare RS232 serial coms cable* |