

# MSR Number Scheme

Numbering on the MSR Loggers define the type of logger as well as the sensors available.

To illustrate this we will use a sample number with explanation for each digit as follows:

**B** **5** **0** **1** **1** **2**

This digit defines if the logger has external analog input/s and Acceleration Sensor

0=No analog inputs, no Acceleration Sensor  
1=No analog inputs, has Acceleration Sensor  
2=Has two external analog inputs and Acceleration Sensor  
3=Has two external analog inputs and no Acceleration Sensor  
4=Has four external analog inputs and no Acceleration Sensor

This digit defines if the logger has a pressure sensor

1= Has Pressure Sensor  
0= No Pressure Sensor

This digit defines if the logger has a humidity sensor

1= Has Humidity Sensor  
0= No Humidity Sensor

This digit defines if the logger has an internal temperature sensor

1= Has Temp Sensor  
0= No Internal Temperature

This letter defines the type of logger as follows:

4 - Waterproof Logger  
5 - Standard Packaged Logger  
6 - Waterproof Logger in the Standard Package

# MSR External Sensor - Number Scheme

Numbering on the MSR Loggers define the type of logger as well as the sensors available.

To illustrate this we will use a sample number with explanation for each digit as follows, this schema covers the external sensor numbering:

F 1 0 1 6 0

The diagram shows the number 'F10160' with each character enclosed in a circle. A vertical line descends from the 'F' circle to a box at the bottom left. A vertical line descends from the first '1' circle to a box in the middle. A vertical line descends from the first '0' circle to the same middle box. A vertical line descends from the '1' circle to a box on the right. A vertical line descends from the '6' circle to the same right box. A vertical line descends from the final '0' circle to the same right box.

These three digits relate to the length of the cable on the external sensor as follows:

015=0.15 meter length

040=0.40 meter length

100=1.00 meter length

160=1.60 meter length

These two digits define if the sensor is a temperature, Pressure or Humidity sensor

10= Temperature Range -10 Deg C to +58 Deg C

11=Temperature Range -55 Deg C to +125 Deg C

20= Humidity

30=Air pressure sensor 2.5 bar

31=Air pressure sensor 14 bar

The F here means that this is an external sensor number