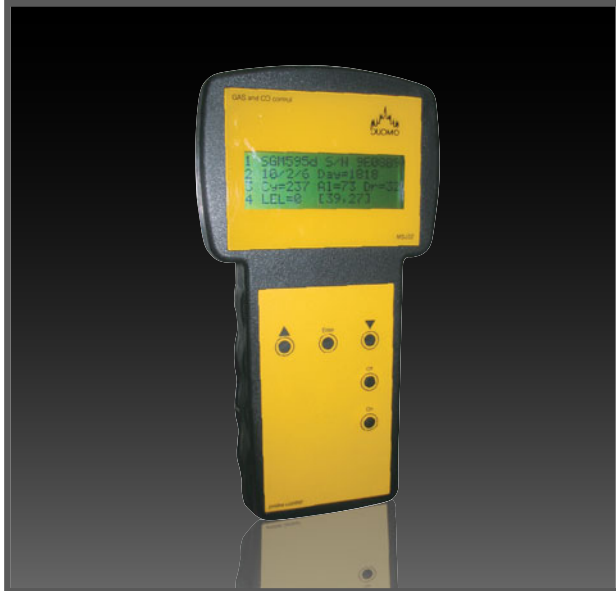




# MS222 Sensor Diagnostics Tool



- 9V DC power supply or 6LR61 9V battery
- Battery duration of 10 hours
- 12MHz microprocessor
- 1 second response time
- Alphanumeric display
- For use with Duomo sensors for on-site commissioning and certification
- Can be connected to the SPT002 Printer
- 3 year guarantee

## Application

The MS222 Sensor Diagnostics Tool is a handheld device designed for use on site by a commissioning engineer. The MS222 is connected to a Duomo sensor in order to perform the 6-monthly test and can then be used to print a test certificate that can be left with the sensor. The MS222 reports on how the sensor has behaved including how many times it has been into alarm and current calibration status.

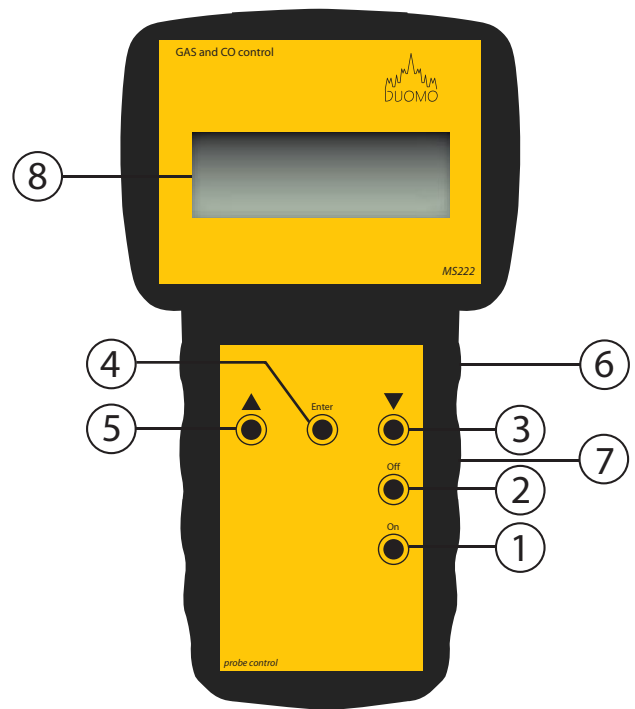
Using a 9V DC battery (supplied) the sensor diagnostics tool is fully portable and is supplied with all the cables you need to connect it to both Duomo sensors and our SPT002 Printer.

## Features

The MS222 can display and print the following information:

- Sensor registration number
- Current functioning status;
  - WARM UP
  - READY
  - FAULT
  - ALARM
- Number of times the system has been disconnected
- How many times the sensor has gone into alarm
- How many working days are left before recalibration is required
- How many times a correction has been made
- Current calibration status

## External Description



1. POWER - press to turn the device on.
2. OFF - press and hold for a few seconds to turn the device off.
3. SCROLL DOWN - press to scroll down the page.
4. ENTER - press to print the data.
5. SCROLL UP - press to scroll up the page.
6. SENSOR SOCKET - connection for sensor cable.
7. PRINTER SOCKET - connection for printer cable.
8. DISPLAY - alphanumeric display for data reading.



# Commissioning Report

Sample commissioning report

```
DUOMO mod. SGM595
Tel:+44 1905797989
S/N02134316
date of test 10/10/2008
Remaining days:0
least Expl.Power on cycles:23
Alarms count:29
Drift corrections:0
Offset: 128

date.....
sign.....
```

← Sensor model e.g. SGM595, CO100Ar etc.

← **Duomo (UK) Ltd.** contact information

← Sensor information

← Engineers details

## Specification

Supply voltage	9VDC through the sensor
Type of battery	6LR61 9V
Power consumption	20mA during detection
Battery duration	About 10 hours
Compatible sensors	SGM595, SG895, SG900, SG810, CO100Ar, CO233
Microprocessor	12MHz
Calibration	Automatic according to detection requirements
Display	Alphanumeric, 4 rows x 20 characters
Response time	1 second
Functioning temperature	-10°C to + 60°C
Functioning humidity (non condensed)	0 to 90%
Electromagnetic Compatibility	CE
Size	1105 x 210 x 40mm
Weight	0.25Kg
Warranty	3 years

## SPT002 Printer

To get the best out of the MS222 we recommend purchasing an SPT002 Printer so that you can print your commissioning report and leave it onsite with the sensor. Supplied with 4 x AA batteries and a 9V power adapter, the SPT002 can be used anywhere to immediately provide your customer with a sensor report.

The SPT002 has an RS232 port allowing you to connect the printer directly to the MS222 using the cable supplied.

