

TECHNICAL BRIEFING SHEET 02-06

AQUA VOLUME M – CONTENTS CHECK

GENERAL DESCRIPTION

An electrically operated self-contained tank contents monitoring device.

The unit incorporates a pressure sensor which should be mounted in the side of a water tank at the same level as the down service pipe using the UPVC pre assembled mounting supplied.

A control box with LCD display gives a continuous readout of the tank contents in percentage full terms and also has connection points for mains electrical supply, sensor connection and output signal connection (for alarm). A volt free BMS output is also available as an option in addition to the alarm output if required (at extra cost).

TANK CONNECTION

Via a UPVC tank connector with a short length of tube and housing which encloses the sensor.

The tank connector should be fitted in the side of the tank at the same level as the down service connection.

CONTROL BOX

ABS control box (195mm x 110mm x 70mm) is supplied with mounting bracket.

The pressure sensor and mains 'in' connections plus alarm and (where applicable) BMS 'out' connections are via a standard locking style sheathed connector.

Connection to the control box should be via a 5 amp double pole spur.

Current consumption: 8mA

PRESSURE SENSOR

Material:	Fluorosilicone (wras/wrc approved)
Operating temperature:	minus 40 deg C to plus 85 deg C
Operating pressure:	5psi max
Maximum pressure:	25psi max
Input power:	10-12 volt DC