

**Auto-calibrating, Fixed Point, Capacitance Level Sensor with digital settings display DML4**

An automatic calibration level control with digital settings display, for use in liquids, solids and powders.

The Digimatic incorporates a micro-processor which automatically calibrates the unit to suit both the vessel and range of material in which it is used. The unit can also be calibrated manually if desired.

Automatic calibration is carried out simply by pressing one button with the probe uncovered and a second when covered. The unit can be recalibrated as required. In the manual mode, the same buttons are used to raise or lower the sensitivity.

A 4 digit LED displays shows set values of uncovered, covered and

trip settings, during calibration, and measured values during normal use. The display is also used to show any time interval which may have been programmed.

The Digimatic incorporates a "power shield" to overcome the effects of sticky or viscous materials adhering to the probe allowing it to respond only to a genuine covered condition.

A range of probe rods are available in solid stainless steel or wire rope in lengths up to 10 metres. Probe lengths can be reduced on site.

The Digimatic is suitable for both top or side entry and operation is from 24V dc or 110/230V ac supplies.

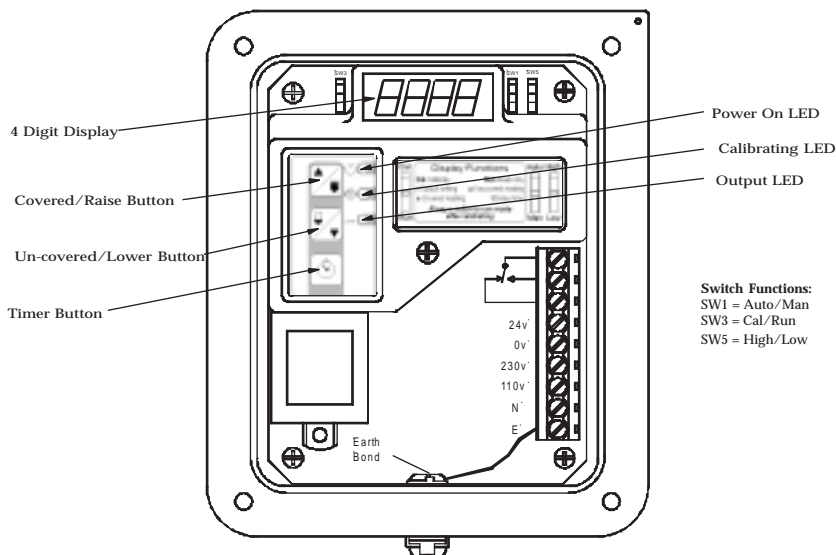
- \* **Digital display shows measured readings during calibration mode, run mode and timer setting.**
- \* **"Power shield" material build up compensation.**
- \* **Automatic or manual calibration.**
- \* **Membrane pushbutton setting.**
- \* **Adjustable time delay.**
- \* **Operation from ac and dc supplies.**

# SPECIFICATION

	<b>DIGIMATIC DML4</b>												
<b>SUPPLY</b>	115/230 volts ac 50/60Hz or 24 volts dc. -15%+10%.												
<b>LOAD</b>	1.5VA.												
<b>AMBIENT TEMPERATURE</b>	-15°C+50°C.												
<b>SENSITIVITY</b>	0.5 picofarad.												
<b>OUTPUT</b>	1 set of volt free relay change-over contacts rated at 3 A 240 V ac non-inductive.												
<b>FAIL-to-SAFE (High/Low)</b>	High or low level mode, selectable by a switch.												
<b>CALIBRATION/DISPLAY</b>	Automatic or manual calibration using independent push buttons for covered and uncovered conditions. Display shows measured readings (Covered, Uncovered & trip).												
<b>INDICATORS</b>	LEDs show power, output 'on' and calibrating.												
<b>BUILD -UP</b>	Power shield automatic compensation for material build-up on the probe.												
<b>CABLE ENTRY</b>	Two 20mm conduit entries (one undrilled - may be drilled out if required).												
<b>WIRING CONNECTIONS</b>	Screw terminal block.												
<b>TIMER</b>	Programmable up to 128 sec. Delay operates on both probe covered & uncovered.												
<b>PROBE</b>	Stainless steel with M12 x 1.75 fitting thread. In 200mm, 1m, 2m rod or 10m wire rope.												
<b>ENCLOSURE/MOUNTING</b>	Flame retardant, glass filled nylon enclosure with 1" BSP parallel mounting thread (male).												
<b>PROTECTION</b>	IP65.												
<b>FUSING</b>	Supply should be fused at 5A maximum.												
<b>WEIGHT</b>	<table style="display: inline-table; border: none;"> <tr> <td>DML4 2Kg</td> <td>200mm rod</td> <td>250g</td> </tr> <tr> <td></td> <td>1 metre rod</td> <td>1.5Kg</td> </tr> <tr> <td></td> <td>2 metre rod</td> <td>3Kg</td> </tr> <tr> <td></td> <td>10 metre wire rope</td> <td>1.25Kg</td> </tr> </table>	DML4 2Kg	200mm rod	250g		1 metre rod	1.5Kg		2 metre rod	3Kg		10 metre wire rope	1.25Kg
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**HOW TO ORDER:-**  
**SPECIFY DIGIMATIC DML4 PLUS PROBE ROD (SEE CHART).**

## CONNECTIONS/FUNCTIONS



Probe Description	Order Code
200mm Stainless Steel Rod (30cm).	822-005
1 metre Stainless Steel Rod.	822-003
2 metre Stainless Steel Rod.	822-004
10 metre Stainless Steel Wire Rope.	823-004