

**Fixed Point,
Capacitance Level Sensor
DIGISET - DSL5**

A fixed point level controller, of advanced design, for use with liquids, powders and granular solids.

The type DSL.5 level controller provides high, low, or intermediate level control of materials stored in silos, hoppers or other containers.

It incorporates a "power shield" circuit which automatically eliminates the effect of material sticking to the probe resulting in it responding only to true "probe covered" conditions.

Calibration is by means of a simple digital system, using rotary switches for rapid, repeatable setting.

Digiset units are designed for both side and top entry into the vessel. The stainless steel probe rod can be provided in lengths of 320mm, 1 metre or 2 metres. For applications requiring more than 2 metres, a 10 metre wire rope & end weight is available in stainless steel, which can be cut to any length on site.

Operation is direct from 110/230 volts 50/60Hz or 24 volts dc supplies. The output comprises a set of voltage free relay contacts. Fail-to-safe mode can be selected by a switch for either a high or low level mode. A simple timer (0 - 5 sec) is provided for use, typically, with splashing liquids to prevent spurious tripping.

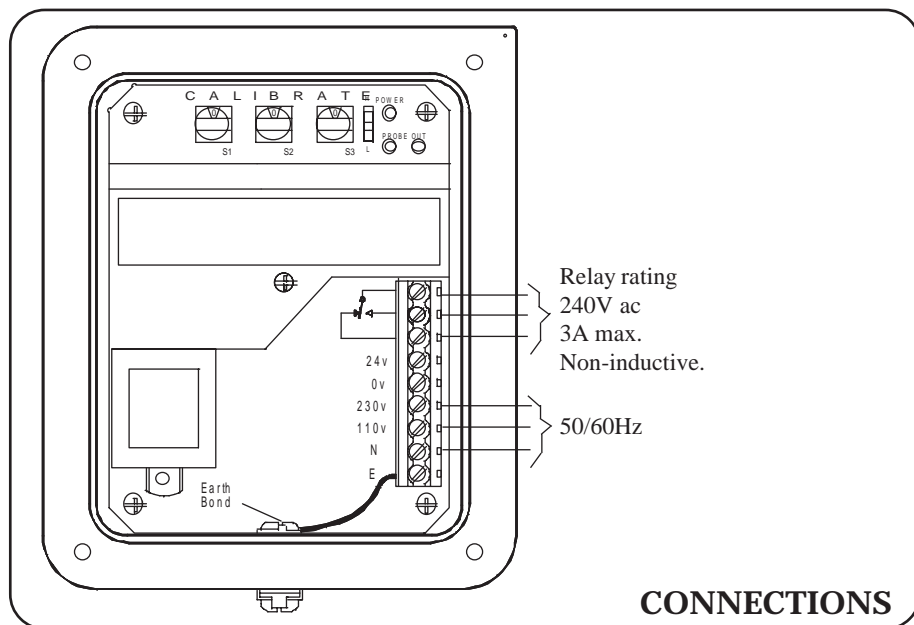
- * **Power Shield Compensation**
- * **Simple Digital Calibration**
- * **Operation from both AC and DC Supplies**
- * **Top or Side Entry into the Storage Container**

SPECIFICATION

DIGISET DSL5													
SUPPLY	110/230 volts AC 50/60Hz or 24 volts DC.												
SUPPLY TOLERANCE	-15%+10%												
AMBIENT TEMPERATURE	-15°C to +50°C												
SENSITIVITY	0.5 picofarad												
OUTPUT	1 set of voltage free relay change-over contacts rated at 3 amps 240 volts AC non-inductive												
FAIL-to-SAFE	High or low level mode, selected by a switch												
CALIBRATION	By 3 rotary, 10 position, digital switches												
TIME DELAY	Rotary adjustment 0-5 second maximum												
INDICATOR	LED probe covered (material detected) indicator												
BUILD-UP COMPENSATION	Power shield automatic compensation for material build-up on the probe												
LOAD	1.5VA												
CABLE ENTRY	Two 20mm conduit entries (one undrilled)												
CONNECTIONS	Screw terminal block												
PROBE	Stainless steel. Available in 320mm, 1m, 2m rod or 10m wire rope												
ENCLOSURE	Flame retardant, glass filled nylon enclosure												
PROTECTION	IP65												
FUSING	Supply should be fused at 5 amps max												
WEIGHT	<table style="display: inline-table; border: none;"> <tr> <td>DSL4 Probe Head 2Kg</td> <td>30cm 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>	DSL4 Probe Head 2Kg	30cm rod	250g		1 metre rod	1.5Kg		2 metre rod	3Kg		10 metre wire rope	1.25Kg
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HOW TO ORDER:-

1. Order **Digiset** type **DSL.5**.
2. Order **probe** required (see chart).



Probe Description	Order Code
320mm Stainless Steel Rod	822-005
1 metre Stainless Steel Rod	822-003
2 metre Stainless Steel Rod	822-004
10 metre Stainless Steel Wire Rope	823-004