


*ATEX & IECEx Approved,
Auto-calibrating, Fixed Point
Level sensor*
DIGIMATIC DML4AI
 II 1 (1)D Ex ta[ia] IIC
T100°C Da IP65 Tamb= -20°C to +50°C

A certified, automatic calibration level control for use in liquids, solids and powders.

TRAC11ATEX11268XIECExTRC12.0016X

 II 1 (1)D Ex tD[iaD] A20 IIIB T100°C Da IP65 Tamb= -20°C to +50°C

The Digimatic incorporates a microprocessor which automatically calibrates the unit to suit both the vessel and range of material in which it is used.

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

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

- ◆ *ATEX & IECEx approved for Dust Hazard Area use.*
- ◆ *Membrane keypad for calibration purposes.*
- ◆ *Automatic or manual calibration*
- ◆ *"Power shield" material build up compensation*
- ◆ *Adjustable time delay*

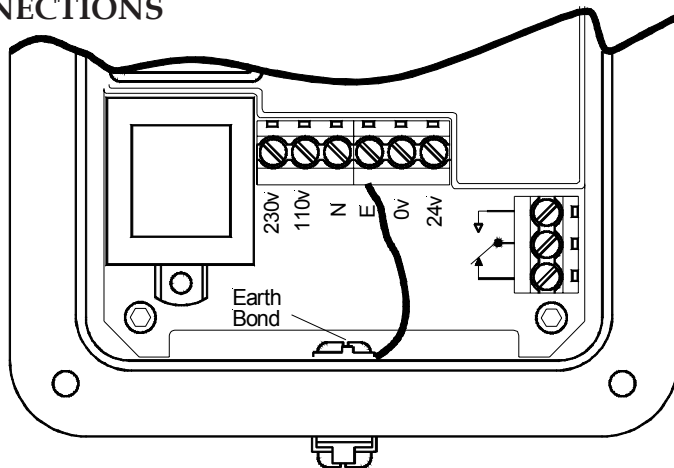
SPECIFICATION

CLASSIFICATION	⊕II 1 (1)D Ex ta[iaD] IIIC T100°C Da IP65 Tamb= -20°C to +50°C	
SUPPLY	115/230 V ac 50/60Hz.and 24V dc (stabilised).	
DC SUPPLY TOLERANCE	-6.0%.to+2%.	
SUPPLY CABLE SIZE	Min: 1 sq.mm Max: 4 sq.mm	
SUPPLY CABLE FUSE/Cct BREAKER (max rating):	5A	
LOAD	1.5VA. max ac, 50mA max dc.	
AMBIENT TEMPERATURE	-10°C to +50°C.	
SENSITIVITY	0.5 picofarad.	
OUTPUT	1 set of volt free relay change-over contacts rated at 2.5A 240 V ac non-inductive.	
OUTPUT MODE	High or low level, selected by a switch.	
CALIBRATION	Automatic or manual calibration using independent push buttons for covered and uncovered conditions.	
DISPLAY	LED display used for calibration purpose and timer setting.	
TIME DELAY	Adjustable via single pushbutton, 0-128 seconds delay on material arriving and leaving.	
INDICATORS	LEDs show power, probe covered and calibrating.	
BUILD-UP	Power shield automatic compensation for material build-up on the probe.	
CABLE ENTRY	20mm conduit entry.	
MOUNTING	Via 1" B.S.P Parallel thread.	
CONNECTIONS	Screw terminal block.	
PROBE	Stainless steel. In 10cm, 1m, 2m rod or 10m wire rope.	
ENCLOSURE	Flame retardant, glass filled nylon enclosure. (Modified polyamide 66).	
PROTECTION	IP65.	
WEIGHT	DML4AI	2Kg
	10cm rod	250g
	1 metre rod	1.5Kg
	2 metre rod	3Kg
	10 metre wire rope	1.25Kg

HOW TO ORDER:-

1. Order Digimatic **DML4AI**.
2. Order probe required (see chart)

CONNECTIONS



NOTE: A SUPPLY EARTH IS ESSENTIAL & MUST BE BONDED TO CONTAINER METAL WORK!

DUST HAZARD APPROVAL:

ATEX, Category 1, Dust,
Temperature T100°C.

Probe Description	Order Code
10cm Stainless Steel Rod	822-006
1 metre Stainless Steel Rod	822-003
2 metre Stainless Steel Rod	822-004
10 metre Stainless Steel Wire Rope	823-004