

Remote, Fixed Point Level Control System for vibration & high temperature (up to 250°C) applications
DMR2

The Digimatic DMR2 is a fixed point capacitance level measuring system comprising of a probe head, remotely mounted transverter node and separate control unit. The control unit, which may be mounted up to 100 metres from the probe, incorporates all adjustment and calibration facilities.

The transverter node does not require adjustment and is mounted adjacent to the probe. It is contained in a heavy duty enclosure suitable for plant mounting.

The Digimatic DMR2 is ideal for installations where accessibility, vibration, space restrictions or temperature prevent the use of a self contained version.

All of the self contained Digimatic features are retained, including adjustable time delay, full auto/manual calibration and, with most probe assemblies, the 'power shield' which minimises the effect of residual material sticking to the probe.

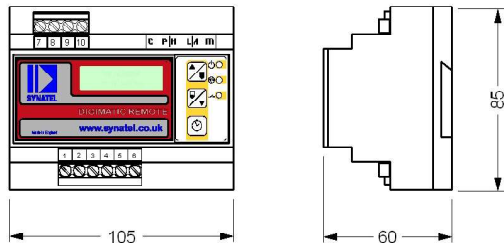
- * *Designed for installations where vibration or temperatures up to 250°C are present*
- * *Fully remote, Control unit can be mounted up to 100 metres from probe head*
- * *Powershield, eliminates false tripping from viscous materials adhering to probe rod*
- * *110/230V ac supplies.*
- * *Multifunction display to show process variables and aid calibration*

SPECIFICATION

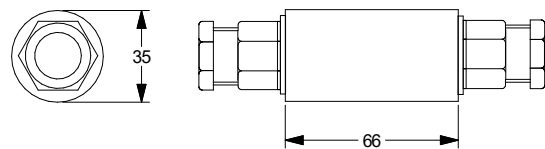
DMR2 Overall Specification	
<u>DRC205 Control Unit</u>	
Protection:	IP44.
Enclosure:	Moulded.
Mounting:	Din Rail.
Voltage:	110/230V ac 50/60 Hz (+7½%-15%).
Rating:	2.5VA.
Operating Temperature:	-10°C to +45°C.
Output:	S. P. C. O. Contacts rated at 2.5A 240V ac Non-inductive.
Time Delay:	0-127 seconds variable. Set via membrane keypad. Delay applies when material arrives and leaves the probe.
Max. distance between control unit and probe assembly:	100 metres in 2 core screened cable.
<u>Probe Assembly Type (Typical)</u>	(Contact sales department for detailed specification).
Temperature:	(RPP1) Polypropylene up to 120°C; (RPK1) Peek up to 250°C.
Protection:	IP65.
Material:	(RPP1) Polypropylene & Stainless steel or (RPK1) Peek & Stainless steel.
Earth Bonding:	Earth connection must be bonded to metalwork of container adjacent.
Probe Length:	30cm, 1 metre, 2 metre or 10 metre wire rope. (Stainless steel).
Mounting:	1" BSP parallel male.
<u>Transverter Node Type DCT2A</u>	
Operating Temperature:	-15 +50°C
Power Supply:	Derived from DRC205
Cable Glands:	Cable glands supplied for connections to probe and DRC205.
Connections:	Terminals provided for connection of two core screened cable to DRC205 remote control unit. Max 100 metres. DCT2A - 0.5 metre high temperature screened cable prefitted for connection to probe (this must not be extended).

DIMENSIONS

DRC205

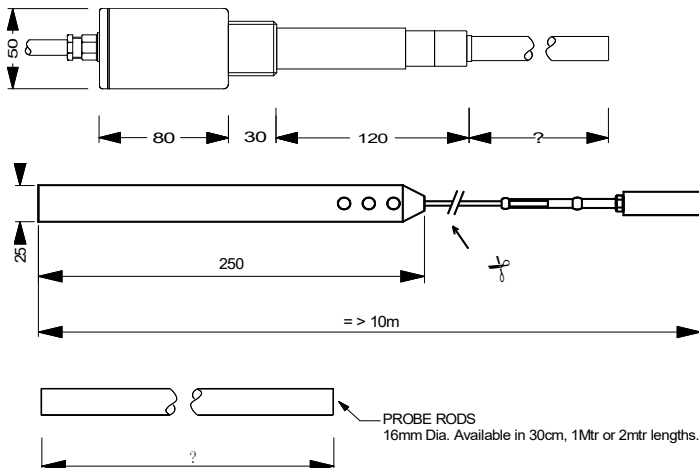


TRANSVERTER NODE DCT2A



(Fitted with 50cm high temp screened cable)
Supplied with 2 x locknuts and mounting bracket.

TYPICAL PROBE ASSEMBLY (RPP1/RPK1) (other versions may vary).



HOW TO ORDER

Specify:

- 1) DRC205A Control Unit
- 2) DCT2AA Transverter Unit
- 3) Probe type RPP1 (Polypropylene) or
- 4) Probe type RPK1 (Peek)
- 5) Probe rod as required from below:
Standard rod 32cm code 822-005,
Standard 1 metre rod code 822-003,
Standard 2 metre rod code 822-004,
Wire rope probe 10 metre cable 823-004.

