

Dewar DM1300 Teleprotection

Designed and manufactured in Australia



With substation space in mind, we designed a 1U” high Full Teleprotection system
Meet the DM1300



Key features:

- 1U” high rack mount
- IEEE C37.94 Protocol compliance
- LCD screen (no keypad)
- Front mount USB port for system configuration
- User configurable Opto-isolated trip inputs (48V, 110V, 240V)
- Solid state outputs
- Alarm and event loggings
- Real-time clock with battery back-up
- PSU modules (48V,110V,240V)
- C37.94 interface modules for support, single and multimode operation
- Tripping scheme customisation dependability, security, reliability
- Typical speed 4.5mS with default setting

Dewar have been designing and manufacturing Teleprotection systems in Australia since 1979, with a reputation for *enduring high quality products.*

The DM1300 is the new kid on the block, big brother to the DM1350 simple Teleprotection unit and natural evolution of the DM1200. The DM1300 has all of the same functions of the 1200, but with enhancements. This new model is a third of the size saving you space in your substation.

Perfect for substation protection, solar and windfarm monitoring and protection. DM1300 has a very attractive price without compromising on quality, style and functionality.

Fully designed and manufactured at our premises in Croydon, Victoria.



DM1300 System Model Configuration

DM1300 - **** - **** - *****

Terminal model numbering

Trip Inputs

Trip Input Voltage A=48VDC; B=110VDC; C = 240VDC

	T1	T2	T3	T4
48VDC=A				
110VDC=B				
240VDC=C				

Power Supply

48VDC = 48 volt (20 to 60V DC)
 110VDC = 110 volt (90 to 320V DC)
 230AC = 240 volt (220-240V AC/DC)

Processor

STMM1 = C37.94 Processor
 With FOI ST MM 850nm

STMM2 = C37.94 Processor
 With FOI ST MM 1310nm (2 km)

STSM1 = C37.94 Processor
 With FOI ST SM 1310nm (20km)

Common Assembly

Example.

Communication	FOI ST MM 1310nm (2 km)
PSU	48VDC
Trip Input 1	48VDC
Trip Input 2	110VDC
Trip Input 3	48VDC
Trip Input 4	240VDC

DM1300 - **STMM2** - **48VDC** - **ABAC**

NOTE: Please contact Dewar for any long distance or other wavelength FOI (fibre optic interface) or any other special requirements