



Dynamometer World Ltd

D3000

Digital Dynamometer Controller



The D3000 Digital Dynamometer Controller is a new design based on many years experience working with all kinds of control applications. It encompasses all the 'legacy' features that end users really appreciate with modern supportable hardware for the future.

The system was designed to easily handle AC, DC, EC & hydraulic dynamometers and be a straightforward replacement for the popular S3000 series controller.

- Real time analogue tuning system
- Ergonomic control encoders
- Positive tactile push buttons
- Bright clear visual displays
- Powered by 2 industrial grade micro-controllers, all solid state design

The controller is able to support both traditional and modern installations with a number of key features:

- Pin compatible with S3000 controller
- Direct speed feedback using optical, TTL, active and passive encoders
- Traditional load cell and /or shaft mounted torque transducers
- Drive interfaces via analogue or CAN bus
- Drive cycles can be loaded via USB, CAN or serial
- Spare additional CAN capability
- Multiple PID 'Set' storage and remote selection
- Real time road load modelling /prop law modelling
- No user licence or anti-virus software required
- Desktop or rack mountable

For more information please contact **Dynamometer World Ltd**
info@dynamometer-world.com • www.dynamometer-world.com • **01905 355305**

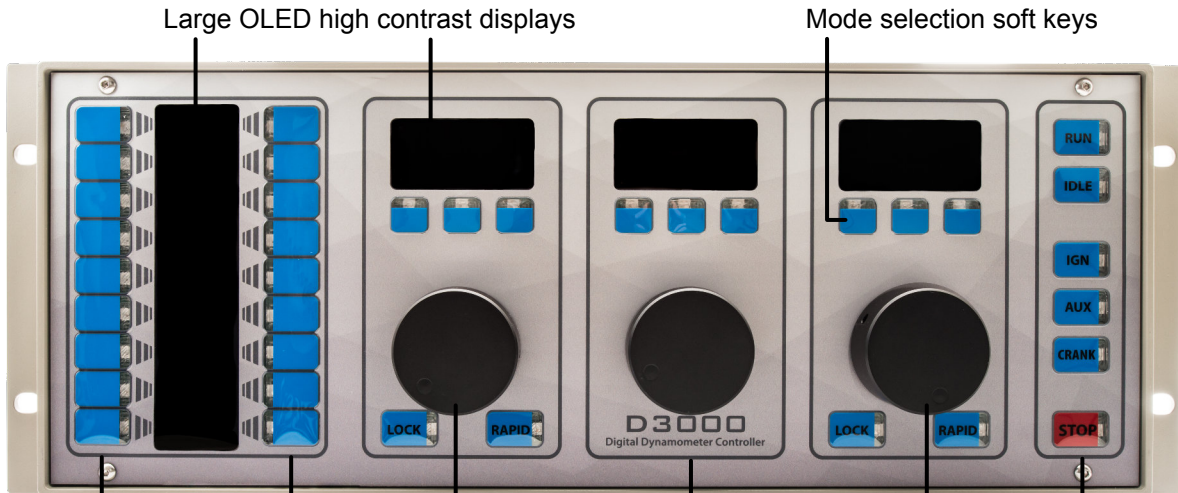




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Large OLED high contrast displays

Mode selection soft keys

16 Independent digital alarm/shutdown channels
- programmable state and delay function

Manual setpoint encoder

Menu encoder
- configuration options and soft function keys

Manual setpoint encoder

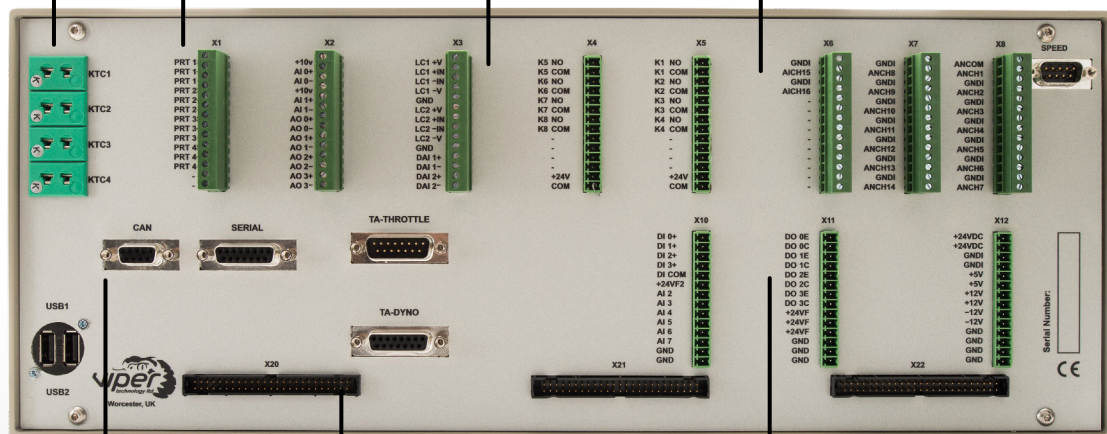
Dedicated function keys

4 x K type thermo-couple channels

2 x 24 bit delta-sigma load-cell interface with programmable gain
2 Isolated pulse pickup interface channels - active and passive
8 Isolated relay outputs rated 6A each

4 x PRT temperature channels

16 Alarm annunciator channels



4 x CAN bus interfaces
- including drive interfaces and torque meter
3 Serial ports - supports remote interface control
Battery backed real time clock

Plug compatible with
Test Automation S3000

4 High speed, isolated digital inputs
6 Analogue inputs
4 High speed open collector out
4 x 16 bit 500Hz analogue outputs
Onboard hydraulic output module

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