



D2 Controller

APPLICATIONS

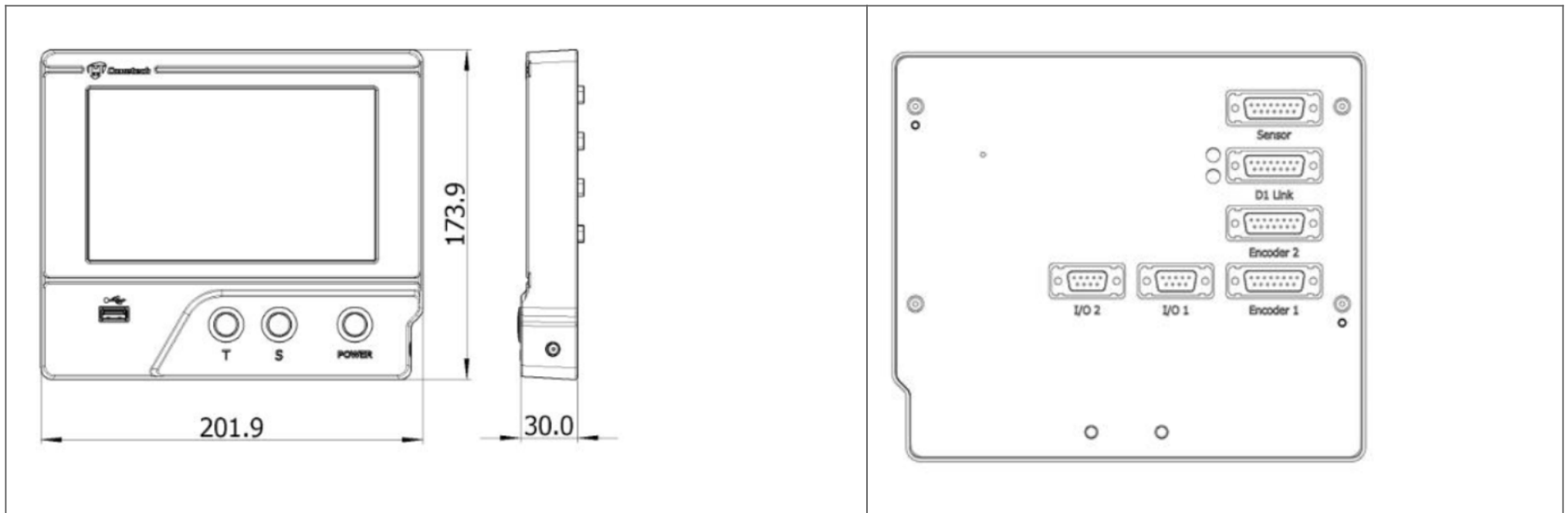
D2 Controller

The D2 controller is primarily designed for material testing and can analyze load cells, torque sensors, pressure sensors, encoders, and various other signals. All units can be adjusted according to the user's requirements. It displays real-time values and short-term data.



The device can either show or record short-term data in real-time. Data can be saved and exported to an Excel sheet for further analysis via USB. Alternatively, specified software can be used for further analysis. If customers have special requirements, the device can be modified and customized to meet their needs.

Dimensions





TECHNICAL SPECIFICATIONS

D2 Controller Technical Specifications

Model	D2 Controller
Power force(DC)	6V
Control signal input	<p>Two sets of input signal for selection</p> <ul style="list-style-type: none"> • Stress sensor: 4~20mA • Force sensor: 1.0mV/V, 1.5 mV/V, 2.0 mV/V, 3 mV/V, 4 mV/V

Two sets of Encoder signal input	
Input signal: upper limit, lower limit, emergency stop, go up, go down, full speed	
Control signal output	One set of breakpoint output signal
Communication Interface	TCP/IP RJ45 Connecting Cable / CAN Bus
Load cell Revolution	1/10,000
Encoder signal voltage	5V
Encoder signal mode	Single-ended (Open Collector), Differential square wave (Line Driver)
Display panel	7 inches of TFT Color touch panel
Language selection	English and other languages
Data assess	Can use USB to proceed with data access (can export test data to Excel for further data analysis)
	Specified software is optional for data access
Data sampling rate	3, 5, 20, 50, 100, 500, 1200
Interface function	Data Display: Force, Stress, Torque, Displacement, Time Graph Display: Force, Displacement, Time

Data Analysis: Maximum force, deformation percentage at maximum force point, stress at maximum force point, percentage of elongation at maximum force point, force at break point, deformation percentage at break point, stress at break point, percentage of Elongation at specified break point, interval average load, Max. Force...so on.

Unit changeable (Metric system or imperial system)

Calibration setting

Calibrated parameter setting can be provided
Can be used on various capacity of load cell and no need to recalibration after replacement.

Printing

Printer for optional



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