

D1 CONTROLLER

Description

D1 controller is basically designed for material testing, which can analyze load cell, torque sensors, pressure sensors, encoder and so many varieties of signals.

Every kind of units can be changed according to user's demand when using it.

It will display the real time value and the short timing data.

it will has a real-time display or record the short time data. Data can be restored and exported to EXCEL sheet for further analysis by USB. Or the specified software can also be an option for proceeding with further analysis. When customer has a special requirement, it also could be modified and designed based on their needs.

Appropriate using occasion

Simple material testing device, various forces display, teaching analysis, data measurement for industries

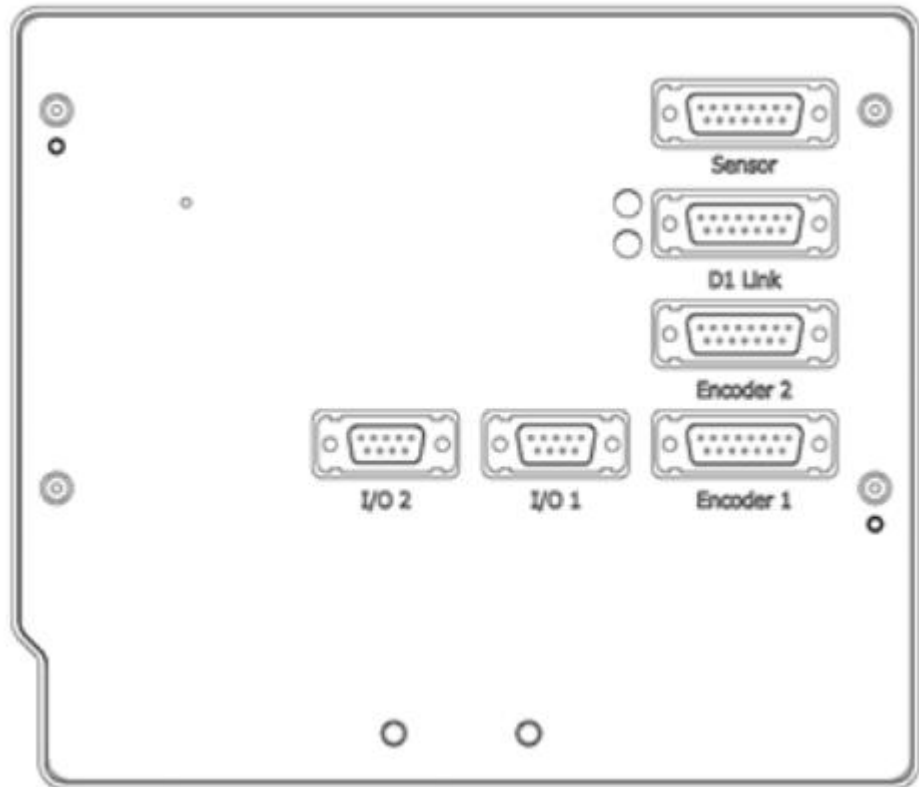
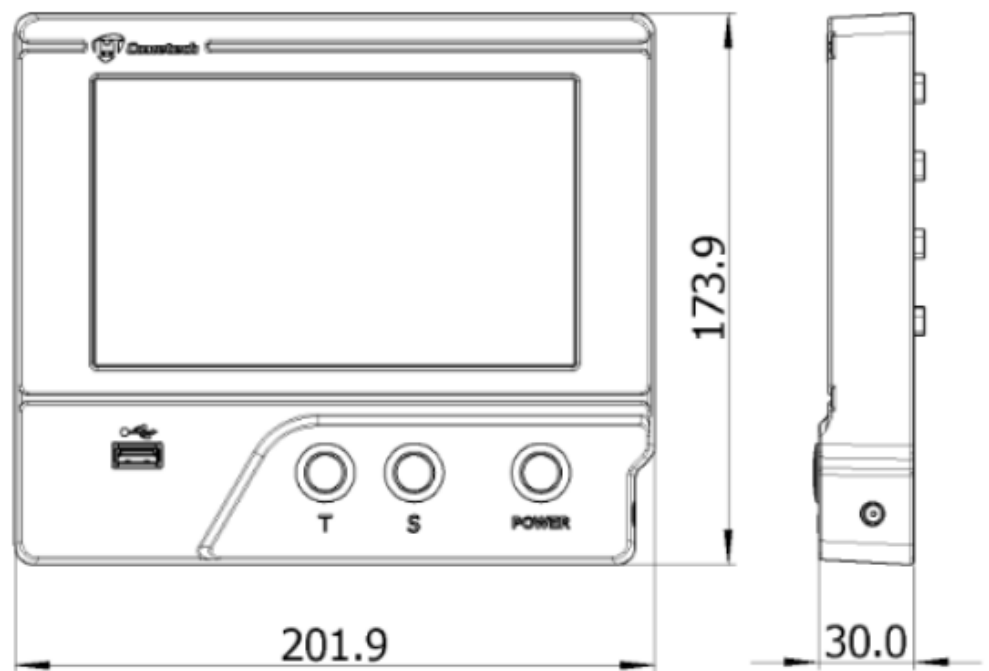
Appearance



Specification

Model	D1 Controller
Dimension	201.9 * 173.9 * 30.0 mm
Power force(DC)	6V
Control signal input	Two sets of input signal for selection 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
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 inche of TFT Color touch panel
Language selection	Chinese, English, Japanese
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 Date 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.

Dimension



Related Products

1. QC-506D1 20kN of Computerized material testing machine
2. QC-505 D1 50kN of Computerized material testing machine
3. QC-508 D1 5kN of Computerized material testing machine
4. QC-513 D1 5kN of Computerized material testing machine
5. QC-557 Short extensometer
6. QC-515 Long extensometer
7. All kind of grips

*Cometech reserves ultimate modification right of product specification.



COMETECH TESTING MACHINES CO.,LTD.

No.49,Ln,39,Lianucn Rd, Fengyuan Dist, Taichung
City420,Taiwan

Tel/886-4-25368881,Fax/886-4-25368883

[e-mail/info@come-tech.com.tw](mailto:info@come-tech.com.tw)

www.come-tech.com.tw

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