

VERF-3000

The Verificationator 3000

The **Verificationator 3000** is a premier load cell calibration device that works with 6 load cells, promises incredible precision, low noise and easy to use calibration of the load cells. With such a device, laboratory calibration can become a thing of the past, as with high mobility and rugged design, the kit can be taken to any job site in any conditions to verify the force output of Innovatest hardness testers using Innovatest load cells.

Extreme Precision

With enough precision to be a OIML Class A load cell measuring device, the VERF-3000 can ensure load cells are calibrated to the upmost precision and accuracy



Mobile and Portable

The Verificationator 3000 is mobile and lightweight and can be carried anywhere it is needed.

Weighing only 12kg, it is a revolutionary step in force verification on the go



Factory Durable

Boasting an extremely rugged and shock absorbent design along side IP67 classification, the VERF-3000 can be used in any factory or job site where needed.



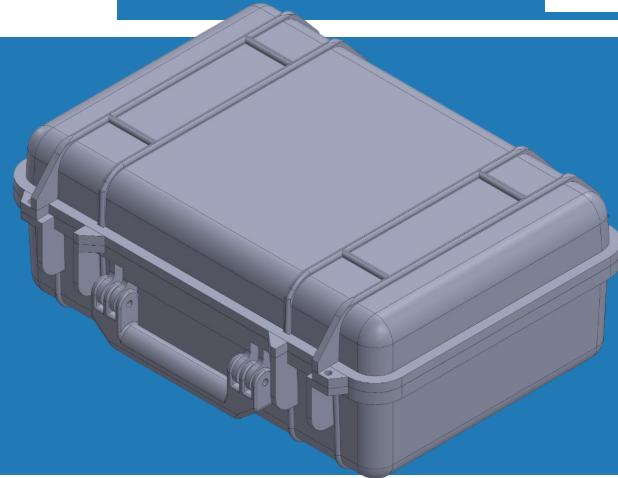
Main Features

The Verificationator 3000 can be easily used to measure the force values for calibration or testing or routine inspections. The data is plotted on a graph and exportable to a USB stick in a CSV format

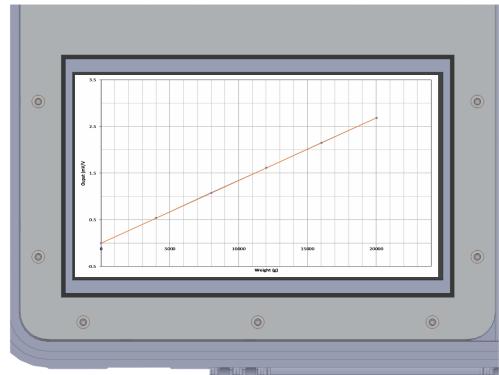
SEE HMI:



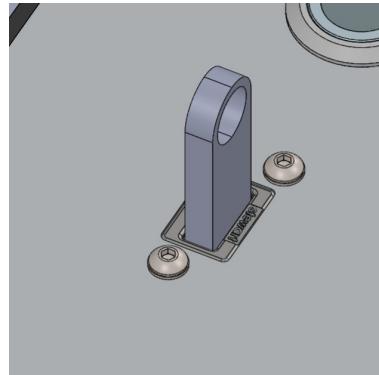
TOUCH SCREEN



Real-Time Graphing



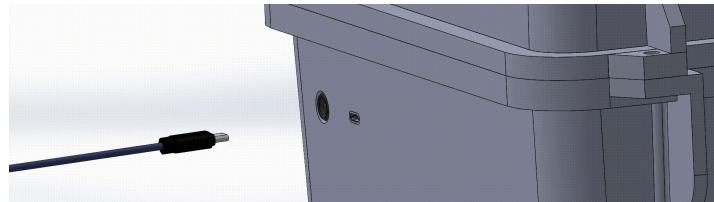
Export to CSV



Long-lasting & Rechargeable

The Verificationinator 3000 has a battery life of over 8 hours to last long enough to work for all measurement needs.

With a Li-ion battery, the device is re-chargeable with thousands of charging cycles for a long product life.

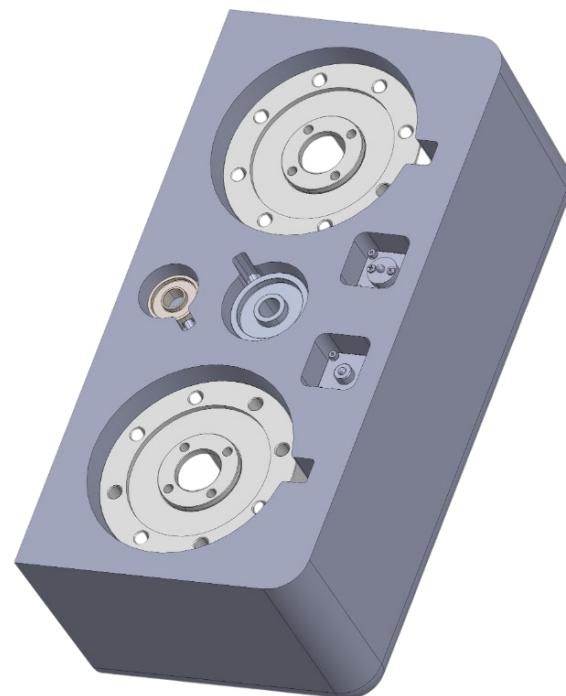


SEE LOAD CELLS:



Automatic Load Cell Recognition

Currently compatible with 6 load cell models and automatically identifies cell to set gain sensitivity for optimal performance.



Spec. Sheet

STANDARD

Verificationator



Protection	IP67
Load Cell connection	M12 5-pin connector
Microcontroller	ESP32-P4
Battery Life	9 hours

GENERAL



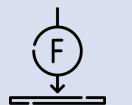
Protection	IP67
Humidity Range	10% - 90%, Non-Condensing
Temperature Range	0°C - 60°C
Functions	Calibration, Data extraction, Peak & Hold
In The Box	6 load cells with connectors, in-built screen, documentation

CASE / HOUSING



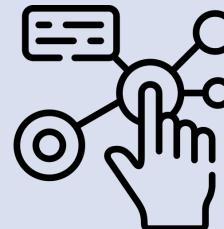
Dimensions (mm)	469.9 (l) x 357.1 (w) x 176 (d)
Weight	12 kgs
Body Material	Polypropylene
Latch Material	ABS

LOAD CELLS



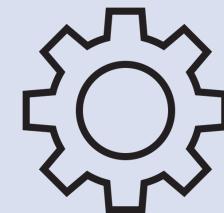
Measurement Range	10 gf—3,000gf
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INTERACTION



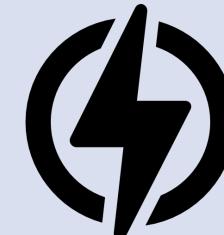
Screen Size	10-inch
Display	TFT-Resistive-Touch-Display
Display Resolution	1024 x 600p
Display Brightness	150 cd/m²
Connectivity	USB-A 2.0
Data Output	CSV

TECHNICAL



ADC Resolution	24-bit Delta Sigma
Filtering	Instrumentation Amplifier + Passive low pass filter
Load cell connector	M12 5 Pin connector
Load cell excitation voltage	5 V / 10 V
Input Sensitivity	2.8-3.2 mV/V
Noise Free Resolution	17 bits

POWER



Power Consumption	
Battery Capacity	7200 mAh
Typical Battery Life	9 hrs
Typical Charge Time	100% in 4 hrs
Battery Type	Rechargeable Li-ion Polymer
Battery Voltage	Nominal 3.7V
Charging Connection	USB Type-C (Power only)

SEE LOAD CELLS:

