

SM-S WIRELESS BLUETOOTH S-LOAD CELL



OVERVIEW

SmartLoadCell SM-S - Universal stainless steel tension-compression S-beam load cell with SmartLoadCell electronics.

Available measuring ranges:

100 kg
200 kg
500 kg
1 Ton
2 Tons
5 Tons
10 Tons

Wireless bluetooth telemetry. SmartLoadCell units can be connected to any Android smartphone (or tablet) via Bluetooth (over Android 4.4). The SmartLoadCell application offers wide range of test modes and test settings. Results can be stored, reviewed and sent to pc.

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APPLICATION

Tension and compression force measuring

Main industries: Materials handling, industry

Application area: laboratory, material testing, materials handling

BENEFITS

- Small, handy, wireless
- Possibility of simultaneous test with up to 7 load cells
- Wide range of tests
- Torque-time graph drawing and saving
- Range analysis
- High storing capacity on the smartphone
- Graph zooming and scrolling in the history
- Adding comment to the results before saving
- Free Android application
- Included pc software
- 3 years warranty

TECHNICAL DETAILS

INCLUDED ACCESSORIES	connecting thread size: 100 kg - 2 t: M12x1.75 5T: M18x1.5, 10T: M30x2
SMARTPHONE REQUIREMENT	1 GB RAM, 1 GHz Processor, 4 GB ROM
ANDROID VERSION	Android 4.4 or higher
MEASURING RANGE	+/- 100, 500, 1.000, 2.000, 5.000, 10.000 kg
UNITS OF MEASUREMENT	Kg, N, Lbf
DISPLAYED VALUES	Actual, Max1, (Max2), torque-time graph
ACCURACY	+/- 0,05% F.S.
SAFE OVERLOAD	120%
MAXIMUM MEASURING FREQUENCY	400 Hz (2.5 ms)
RANGE ANALYSIS	Yes - In range / under range / over range, with Over Range Alarm function
CAPABLE CLOSURE TYPES	-
MAXIMUM SAMPLE SIZE	Any
CALIBRATION KIT	available
OPERATION TIME	12 hours
DC SUPPLY	Micro USB
BLUETOOTH RANGE	20-40 m on air
INCLUDED SOFTWARE	Android application
MEMORY	Thousands of results (phone memory) Maximum length of recordings: 5000 points
STORED DATA'S	Measurement nr, peak results, date, time, graph, instrument serial number, comment, calibration date
RESISTANCE GRADE	IP 65
LANGUAGE	English
DIMENSIONS: FOOTPRINT / HEIGHT	76x50x41 mm (100-1000 kg)

NET WEIGHT	0.55 kg (100-1000 kg)
SHIPPING PACKAGING	Heavy duty waterproof case
SHIPPING DIMENSIONS	No
SHIPPING WEIGHT	No
COUNTRY OF MANUFACTURE	Hungary
WARRANTY	3 years

ADDITIONAL INFORMATION

We provide 2 different applications for the SmartLoadCells:

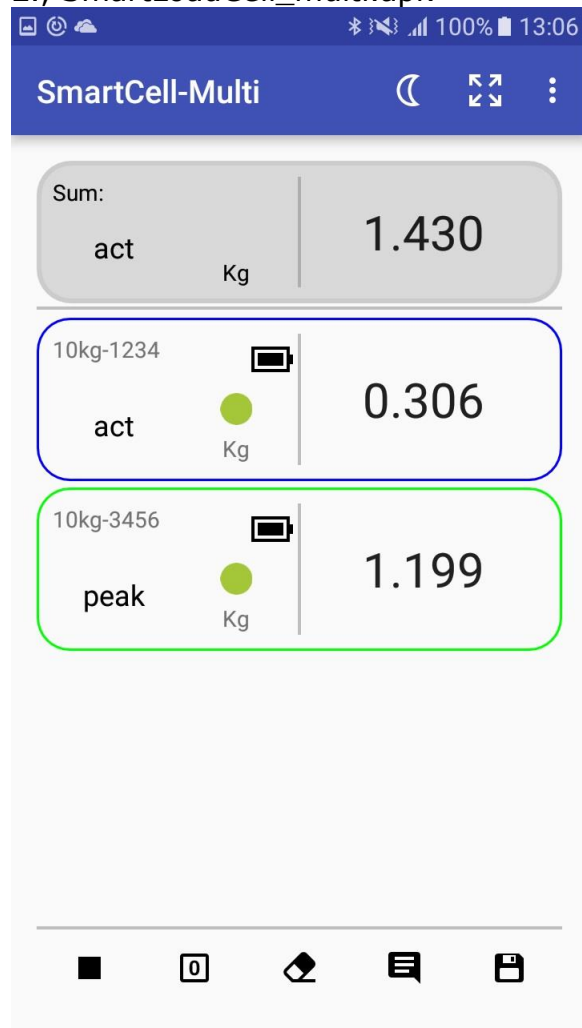
1., SmartLoadCell_single.apk



This application can connect to 1 SmartLoadCell module (1 or 2 channel ones too). Measurement graph is displayed real time and in the history too. SmartLoadCell_single application has 4 different measuring modes. Relevant modes for this application:

- Continuous mode
- Single peak mode

2., SmartLoadCell_multi.apk



This application can be connected to maximum 7 SmartLoadCell modules (load cells). All load cells actual and maximum values can be monitored on the same screen. Graphs of the measurements can be viewed in the history.

Sum of the different channels results can be seen in the first cell (selectable)

Results:

What to do with your results?

- Add comments
- Save
- View from the history – graph can be zoomed and scrolled
- Send to pc on Bluetooth, Wi-Fi, mobile internet or USB cable

On the PC: the included data manager program can:

- convert results to csv-file (excel compatible)
- display the results with graphs
- statistical analysis of the results
- create report from the individual results or from the statistical analyses

PARTS AND ACCESSOIRES

271.	SM-S-100 Smart S Load Cell 100 kg Material: stainless steel
272.	SM-S-200 Smart S Load Cell 200 kg Material: stainless steel
273.	SM-S-500 Smart S Load Cell 500 kg Material: stainless steel
274.	SM-S-1T Smart S Load Cell 1 Ton Material: stainless steel
275.	SM-S-2T Smart S Load Cell 2 Ton Material: stainless steel
276.	SM-S-5T Smart S Load Cell 5 Ton Material: stainless steel
277.	SM-S-10T Smart S Load Cell 10 Ton Material: stainless steel
206.	CAT S40 smartphone with preinstalled SmartLoadCell application



CONTACT

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