

# PASCO Scientific Preferred For Classroom Experiments

In a recent cost-benefit analysis from Darmstadt University in Germany, PASCO Scientific's wireless sensors and SPARKvue data collection and analysis software were proven to be the most effective data acquisition tools as compared to two leading competitors. PASCO's products were shown to have superior utility in functionality, ease of use, and an ability to empower students and teachers alike through innovative, yet easy to use, software.



## PASCO Preferred Overall

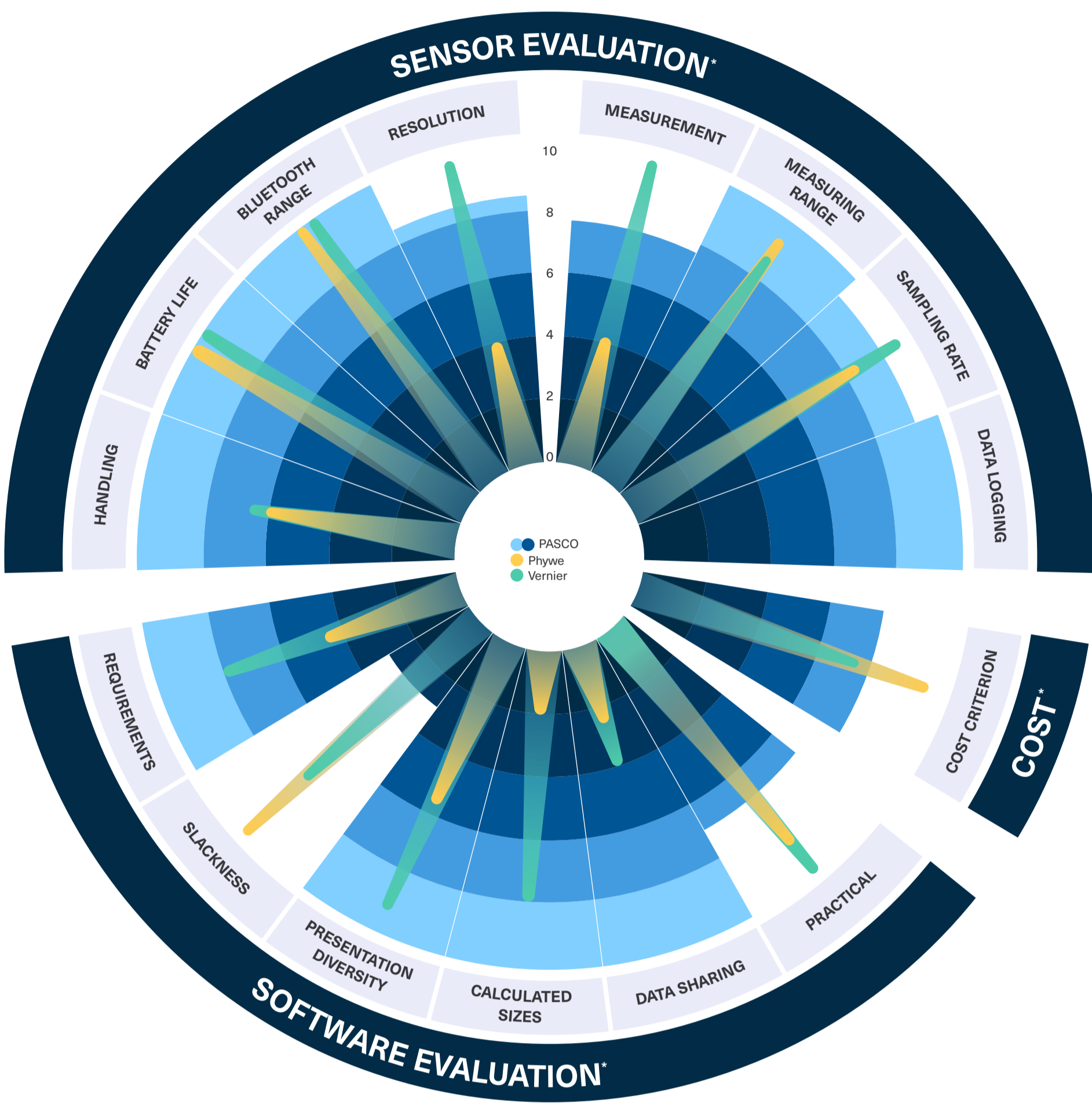
Darmstadt University's "benefit analysis identified PASCO's system as the preferred data acquisition system... since its software provides the greatest range of functions and the sensors always met the requirements of the experiments."



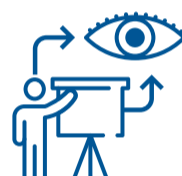
PASCO consistently scored highest in overall valuation of both sensor and software criteria.



In the 15 utility criteria used by the Darmstadt analysis, PASCO was rated highest or tied with highest in 9 criteria.



\* Scale of 0 to 10 with 10 ranked as best.



"The implementation of PASCO's data-sharing supports the DigCompEDU's objective... to shift the role of the teachers to a supervising role."



"The data logger and data-sharing function of the PASCO data-acquisition system are versatile and useful functions that... open up new possibilities, especially in student experiments..."

## Made for the Classroom



SPARKvue is specially designed for use in schools, works on mobile devices, and is free [on mobile devices].

All sensors tested for PASCO were wireless, and they can directly interface with Internet-connected devices\*, allowing for teachers to guide lessons or for students to operate experiments directly from their phone or tablets.



"In SPARKvue a shared session can be conducted from any device as long as an Internet connection is available. Every phone in a classroom is a possible interface!"

"In addition to the shared session, the recorded data can be exported and sent, which works both in the CSV format suitable for spreadsheet programs and in the SPKLAB format specific to SPARKvue."



SPARKvue gives educators and students access to hundreds of free labs suitable for Kindergarten and university classrooms—and everything in between!

48% of teachers would like to use digital media (such as SPARKvue) in class more often.

48%

## What separates PASCO from the rest?

01

PASCO sensors scored a perfect 10 across many of the criteria being ranked by the Darmstadt analysis, with many of its individual sensors (such as the motion and pressure sensors) being shown as the most sensitive of those being tested.

| Evaluation        | Phywe | Vernier | PASCO |
|-------------------|-------|---------|-------|
| Handling          | 6.17  | 6.88    | 10    |
| Battery life      | 10    | 10      |       |
| Bluetooth range   | 10    | 10      |       |
| Measuring range   | 9.68  | 8.81    |       |
| Data logging      | 0     | 0       |       |
| Requirements      | 4.62  | 8       | 10    |
| Display diversity | 5.78  | 9.4     |       |
| Calculated sizes  | 2     | 8       |       |
| Data-Sharing      | 2.5   | 4       |       |

02

PASCO's platform was the only one to be rated a perfect 10 across all operating systems.

| Operating System | Phywe | Vernier | PASCO |
|------------------|-------|---------|-------|
| Windows          | 2.5   | 7.5     | 10    |
| Mac              | 0     | 10      |       |
| iOS              | 7     | 8       |       |
| Android          | 8     | 8       |       |
| Chrome OS        | 0     | 10      |       |

03

SPARKvue supports all major operating systems and has the greatest range of the role of functionality among its competitors, functioning with:

- Windows 7 SP1\*
- Mac OS X 10.11\*
- Android 5.0\*
- Chrome OS 70\*
- iOS 9\*

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For more information:

[www.pasco.com](http://www.pasco.com)

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