

- · Familiar Android tablet platform

- Easy data storage and sharing



patented system anywhere

## **Product Ordering Information**





SMART Cap (with TRUEscience combination pH electrode double junction)
SMART Cap with TRUEscience combination double junction pH electrode/ Soaker bottle Lithium battery, Spare battery covers colour coded (Set of 3)

1201690 (White) 1201822 (Grey)

Order Code



SMART Cap (no pH electrode supplied)

Lithium battery, Spare battery covers colour coded (Set of 3)

1201689 (White) 1201821 (Grey)



SMART Cap Complete pH meter Kit

SMART Cap with TRUEscience combination double junction pH electrode/ Soaker bottle 1201691 (White) USB Port charger Stand for TRUEscience tablet, Bluetooth® enabled Android tablet 7"/8" 1201823 (Grey) Storage Stand, TRUEscience QR buffers 250ml pH 4, 7 & 10, Spare battery covers colour coded x 3, Lithium battery



SMART Cap pH Meter Kit (without pH electrode)
SMART Cap (no pH electrode supplied), USB Port charger Stand for TRUEscience tablet Bluetooth® enabled Android tablet 7"/ 8"Storage Stand, TRUEscience QR buffers 250ml pH 4, 7 & 10 1201824 (Grey) Spare battery covers colour coded x 3, Lithium battery



## TRUEscience pH electrode:

1201575
1201574
1201711

### Accessories:

Replacement Lithium battery for SMART Cap	1201564
Spare battery covers colour coded Grey, Teal, Red (Set of 3)	1201710
Spare battery covers colour coded White, Teal, Red (Set of 3)	1201813
Tablet 7"/8" Bluetooth® enabled Android	1201708
Storage Stand (includes storage tubes)	1201695
Spare storage tubes for storage stand	1201696
Charging tablet stand includes USB Cable	1201562
Height adjustable tablet stand, Stainless steel, non-charging	1201563
Replacement SMART Clip	1201698

	250ml	500ml	1000ml	
fer solution pH 4.00 ± 0.01 @ 20°C Red	1201459	1144885	1144887	
fer solution pH 7.00 ± 0.01 @ 20°C Yellow	1201458	1144955	1144960	
fer solution pH 10.00 ± 0.01 @ 20°C Blue	1201460	1145008	1145011	

order online at: www.truescience.co.uk





making pH measurement **SMART** 



The TRUEPH SMART Cap from TRUEscience™ is the world's first laboratory Bluetooth® pH meter and QR buffer system that harnesses the accuracy of standard laboratory grade sensors with the computing power of an Android tablet, expanding measurement capabilities, connecting to the cloud and making your readings SMART.

## Technological Innovation

The TRUEscience system offers advanced features which would usually only be seen in more expensive benchtop pH meters such as logging, data storage, multiple electrode connection, alarms and user management at an affordable price.

## Connected -

Using low energy Bluetooth® 4.0, the electrode communicates results wirelessly to the tablet in real time. This eliminates cables which can limit truly flexible testing in the field or on-site. Up to 6 SMART Caps can communicate with one tablet at a time, making measurement of different tests or site locations easy.

The unique QR buffer system means you always have full traceability on calibrations. See a full history of who has calibrated, which buffers were used and what the results were at any time. Get MSDS and Certificates of Anlaysis for all reagents straight from the TRUEscience App for simple health and safety and quailty checks.

## Accessible -

The truly open system lets you use any standard electrode with an S7 connector. As well as removing the need to replace the whole unit every time, this means you can also select an electrode which is specialised for your application, like a spear tip or a flat ended electrode.

Whether you're controlling product quality, testing your site discharge for environmental compliance, checking up on your research in the lab or teaching the next generation of Scientists, you can now measure pH the SMART way.

> making measurement SMART

6 meters in 1 Choose between one large single screen meter or simultaneously view the readings of up to 6 SMART Caps at Office on a single tablet.



Traceability The innovative QR buffer system automatically loads batch info, expiry date and re-order info into the App and even allows you to access MSDS sheets and batch calibration certificates for each buffer used.



Full Calibration Suite

Not only does the TRUEpH meter

tell you when it was last calibrated,

it keeps a full calibration history by

using its simple step by step process at

intervals you control. It will even alert you if

user and alerts you to recalibrate



Credible



any serious scientific lab meter at a fraction of the cost. Using the reeTRUEscience App from GooglePlay allows you to calibrate, neasure, log and more on a standard Android tablet.

View your logged data as a table and as

a graph within the tablet, or easily export

and send the data in .csv format.

Long Battery Life The TRUEpH Cap has been designed to run for a year on a single battery in normal use or for 6 months when continuous logging .



Ideal

Storage!





easure Anywhere Totally portable and with an effective range of up to 50 meters you are now free to take pH measurements easily from more locations than ever before.



your buffers have expired. Store and Share Enriched Readings The app can store multiple results by user and allows you to add date, time, image, notes & GPS location tags. You can then share your results by email, Dropbox or Googledrive in standard .csv format for spreadsheet analysis

-8.2 mv 19.0 mc

acer

M CONTRACTOR







or input to LIMS.

Cost Effective TRUEpH offers a real practical solution with the

performance and accuracy (2 decimal places) you would expect of



## Alarms and Email Alerts

Using the power of the Android you can configure alarms at set pH values and be alerted immediately on the tablet as soon as the reading is outside the set limits or by



Consumables Re-ordering Re-order consumables directly on your tablet through any TRUEscience





Perfectly Conditioned The unique TRUEscience Storage Stand is the perfect resting place for your electrode keeping the membrane ready to use with minimal solution waste.

# TECHNICAL SPECIFICATION

Complete TRUEpH Package Cal bration points Automatic temperature compensati 0°C - 100.0°C Electrode diagnostics L218 x W48 x D24 mm including temperature probe Calibration Certainty Yes, App indicates calibration status, time and date

## Tablet Requirements:

olour keyed battery covers

Multiple Cap Measurements

The TRUEscience App has been optimised for use with 7 and 8 inch screen Android tablets. The tablet must have Bluetooth® 4.0 or later and Android 5.0 or later operating system. You will require a wifi connection for data sharing and full App functionality. The App will run in the background and will require access to GPS, Camera, Bluetooth® and sharing Apps such as GMail, Dropbox and Googledrive.



EN61236-1: 2006 - Annex A 2008: 1999/5/EC Annex III
Electrostatic discharge may cause the unit to power off



The Bluetooth's transceiver device meets the requirements for modular transmitter approval as detailed in FCC public notice DA00-1407

www.truescience.co.uk

+44(0)1954 233144 info@truescience.co.uk









a reading or logging.

at a glance whether the unit is taking





TRUEPH is easy. There are no wires or cumbersome retort stands and you simply clip your Cap to the side of beakers and tubes or rest it on the Storage













