

PETROGTM Virtual Keyboard (PVK)

The PETROG Virtual Keyboard ('PVK') is a new product from the PETROG team, providing a significantly more intuitive interface and offering considerably increased data gathering power combined with enhanced productivity.

The PVK provides:

- Multiple user-definable 'soft' keypads for data entry;
- Wireless connectivity between the keypads and the SteppingStage, to move the slide after logging each point;
- Wireless connectivity between the keypads and the master computer, to store the data into spreadsheet-compatible files as it is collected;
- The ability to record a detailed description of a point, with a single keystroke;
- A starter set of keypads and an intuitive editor to create as many new ones as required.

PetrogLite: Logging Demonstration 2023

Target steps = 200
Skip key = Space bar
Skip key (10 steps) = Right arrow

Logged so far: 30
Total change = 0.0494

x = 26260
y = 13216

Key	Maps to	Sum	% of tot
Q	Detrital Grain,Quartz - Monocrystalline	9	30.000
W	Detrital Grain,Quartz - Polycrystalline	2	6.667
S	Detrital Grain,Sphene	1	3.333
0	Porosity,Crystal mouldic	2	6.667
r	Bioclastic Grain,Brachiopoda	2	6.667
4	Porosity,Matrix	1	3.333
G	Detrital Grain,Garnet Group	2	6.667
N	Detrital Grain,Muscovite	2	6.667
1	Porosity,Undifferentiated	1	3.333
m	Matrix,Undifferentiated	3	10.000
s	Bioclastic Grain,Stromatoporoidea	1	3.333
e	Bioclastic Grain,Echinoidea		
X	Detrital Grain,Pyroxene		
T	Detrital Grain,Tourmaline		
I	Detrital Grain,Intrabasaltic		

Keypad Grid:

Bioclastic Grain,Undifferentiated					
Bioclastic Grain,Sedentaria (Serpulites)	Bioclastic Grain,Stromatoporoidea	Bioclastic Grain,Echinoidea	Bioclastic Grain,Brachiopoda	Bioclastic Grain,Gastropoda	Bioclastic Grain,Codiceae
Bioclastic Grain,Bryozoa	Bioclastic Grain,Textularina	Bioclastic Grain,Miliolina	Bioclastic Grain,Crinozoa	Bioclastic Grain,Dasycladaceae	Bioclastic Grain,Octocorallia

Back Skip Skip+10

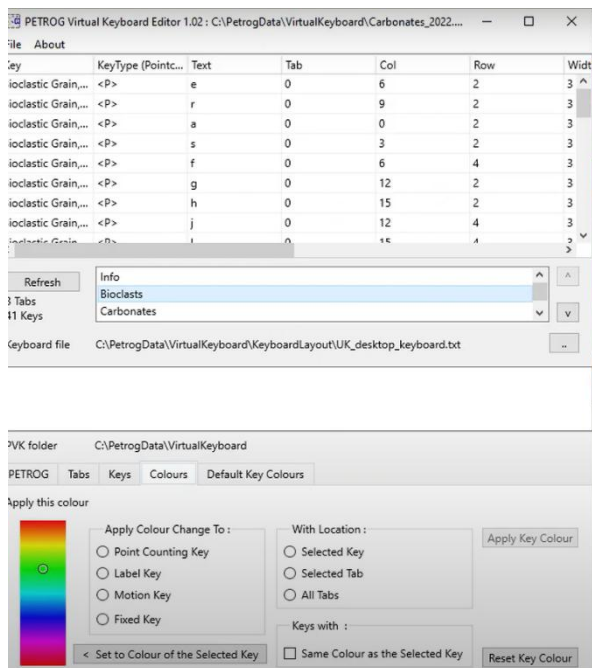


Virtual Keyboard (PVK)

A set of 'starter' keypads, for a variety of end-user applications:



An intuitive editor for creating keypads, either from scratch or as modifications or extensions to existing keypads:



This advance is achieved through software running on the master computer and an app on a tablet device (not supplied – any Windows or Android tablet or phone may be used). PVK is available either as a software upgrade to an existing PetrogLite system or as complete package of SteppingStage and PVK, together with all of the functionality of the standard PetrogLite.



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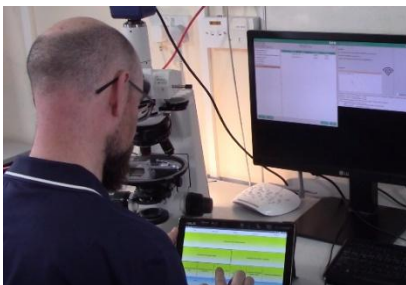
PetrogLite v6 with PVK

PetrogLite is a basic point-counting application designed to allow control of the digital SteppingStage for a wide range of uses. It does not perform the camera display, data analysis and reporting functions of PETROG. Instead of a full database management system it logs data into spreadsheet (Excel-compatible) files. It has a custom set-up, point-counting and mouse or keyboard control.

As part of PetrogLite v6, the new PETROG Virtual Keyboard (PVK) application facilitates direct use of customised “virtual” keyboard layouts, on a Windows or Android device, for logging modal data. For instance, instead of just logging “Q” for “Quartz” in the previous versions of PetrogLite, it is now simple to create a keyboard layout with a “Quartz” button - and as many other buttons as you wish, organised over multiple tabs if required (e.g. a tab for Detrital grains, a tab for Bioclastic grains, a tab for Carbonate grains, ...), and laid out exactly as you wish (e.g. more common items can have a larger button).

Input is from a touchscreen device, such as a tablet or phone running Windows or Android. There are some example keyboards for various data styles included, and these can be customised or new layouts can be generated in a number of ways, using the powerful PVK Editor. The text labels on the virtual keys can be modified in any way, so for instance they could be in any language required. The PVK app has the option to toggle on/off synthesised voice “reading” of the text label when a button is pressed.

The advantages of using the PVK for entering data are that the exported point count results will automatically include the text labels, so that these data are instantly useable without having to recall what each character (e.g. “A”) represents (e.g. “Alite”); and faster logging – the customisation options in the PVK Editor mean that the keyboard layout can be optimised for ease and speed of use.



To see the system in action, go to:

https://www.youtube.com/watch?v=eXt_7YlgqXw&t=8s

or search for ‘PETROG Virtual Keyboard’ on YouTube



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