

# Access Control Technology



# GLP - Compliance

With an increase in demand for access compliant systems we've responded with the development of our Access Control Technology. Available and configured as standard on all new BIO and BIO AV models at no additional cost.

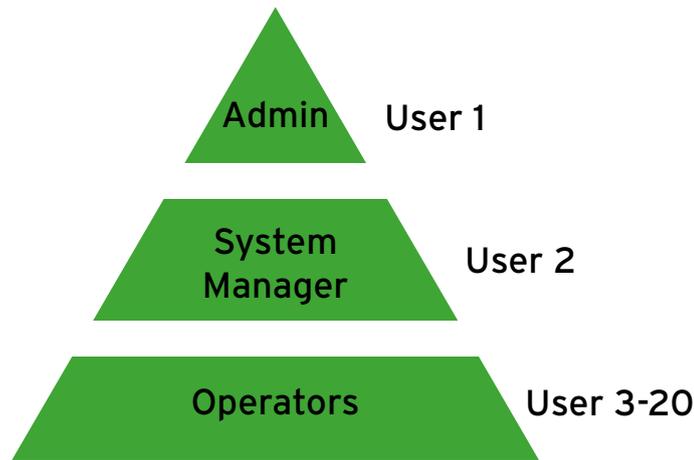
All calibrations and results are tagged with user IDs to indicate who did the calibration / correction / test; the user ID appears on all printouts. Calibrations and results are non-changeable. The facility to download a calibration from the FP-PC Software has been disabled for instruments with User Access Control. The instrument may still be connected to a PC running BWB FP-PC Software with all the other functions still operational.



User 1 is System Admin and has full access to entire system including setting all user pass codes.

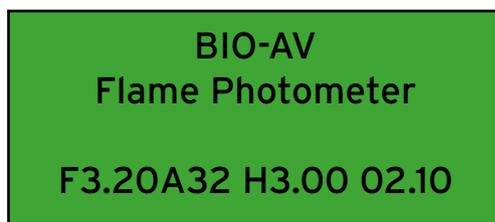
User 2 is System Manager and has access to all functions except setting user pass-codes

User 3-20 are operators, Operators have access to the light the flame, Read, AutoRead and AFHS functions to perform tests, view and print results and do calibration corrections.

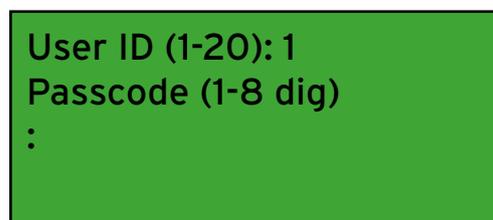
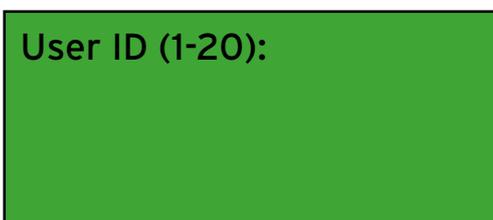


## Operation

From the factory the Admin pass-code is set to "1" and all others "0". On power up a flash screen indicates firmware and hardware version numbers.



On pressing any key the user is prompted for a user ID and then pass-code.



## + Features

- Prevent unauthorised access
- Aids in compliance to GLP and 21 CFR Part 11
- User IDs printed and logged against reports and calibrations
- LIMS integration
- Supports AFHS
- Enhance internal SOPs
- Audit trail monitoring

*Just Add Gas*

After login as Admin item 4>Users on the menu provides access to the User set-up screen; this screen shows a list of users with their pass-codes.

1>Turn on Flame	5 Maint	1 User 1	12345698
2 Maintenance		2 User 2	25836947
3 Setup		3 User 3	25814769
4 Users	8 Logout	4 User 4	45689745

A user may be selected by using the arrow keys to move the cursor and then pressing Accept. A new pass-code may then be entered for that user, a pass-code of "0" signifies user not allocated; a user can be effectively deleted by entering a "0" as the pass-code. Selecting 8>Logout will return to the login screen

## Output to LIMS

Each result is output from the USB port as it is taken and the latest calibration details are output each time a calibration or correction is completed.

*All Autoread samples will have a trayId of "0".*

### Result Output Format:\*

```
<result>
  <header dateTime="DD/MM/YYYY HH:mm" trayId="2" sampledId="12" type="A" userId="12"/>
  <readings>
    <reading ion="Na" conc="140.5" units="mmol/l" raw="291458"/>
    <reading ion="K" conc="5.21" units="mmol/l" raw="84123"/>
  </readings>
</readings>
```

### Calibration Output Format:\*

```
<calibration>
  <instrument title="BWB Flame Photometer - BWB - BIO" serialNo ="20191234"
firmware="V3.20"/>
  <header dateTime="DD/MM/YYYY HH:mm"/>
  <ions>
    <ion name="Na" units="mmol/l" dilutionRatio="100" calibUser"2" correctUser="12"/>
      <points>
        <point conc="0.0" raw="20345"/>
        <point conc="140.0" raw="2911232"/>
      </points>
    </ion>
    <ion name="K" units="ppm" dilutionRatio="10" calibUser="1" correctUser="14"/>
      <points>
        <point conc="0.0" raw="3045"/>
        <point conc="5.10" raw="83245"/>
      </points>
    </ion>
  </ions>
</calibration>
```

\*Note: Only carriage return are output at the end of each line - new lines and tabs have been included above to improve readability.



BWB Technologies UK Ltd Unit 8, The Galloway Centre, Hambridge Lane, Newbury, RG14 5TL UK

T Europe + 44 (0)1787 273 451

United States 1 (800) 608-9870

Middle East +357 2666080

E Orders [orders@bwbtech.com](mailto:orders@bwbtech.com)

Admin [admin@bwbtech.com](mailto:admin@bwbtech.com)

Technical [technicalsupport@bwbtech.com](mailto:technicalsupport@bwbtech.com)

Sales [sales@bwbtech.com](mailto:sales@bwbtech.com)

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

BWB Technologies UK, Ltd. Warrants, subject to the conditions itemised within this document, through either BWB personnel or personnel of its authorised distributors, to repair or replace free of all charges, including labour, any parts of this product which fails within the warranty time specified above, appertaining to this particular product. Such failure must have occurred because of a defect in material or workmanship and not have occurred as a result of operation of the product other than in accordance with procedures described in the instructions furnished with this product.

Manufactured in Newbury, County of Berkshire England.

Registered office: BWB Technologies Ltd, Unit 7-8 Galloway Centre, Newbury, Berkshire, RG14 5TL, UK



**Proudly Engineered  
and Manufactured  
in England**