

Pi

CRIUS®

Remote Access Remote Control

The CRIUS® range of analyzers can be equipped, with remote communications capabilities. This capability, when paired with Process Instruments (Pi's) cloud portal provides the user with an unparalleled level of control over their water quality from anywhere in the world, and from any internet enabled device.

Key features of Pi's remote communications package include:

- **Full read and write remote access from any computer, tablet or phone**
- **No software to install**
- **Cloud based data storage and analysis tools**
- **Email data logs and alarms**
- **SMS text alarms**
- **Multiple security level login**

Full Remote Access

Pi's remote communication feature allows the user to connect to their CRIUS® through a Local Area Network (LAN) or a 2G/3G mobile network connection. This connection allows the user to have full control of their analyzer from any computer, tablet or phone.

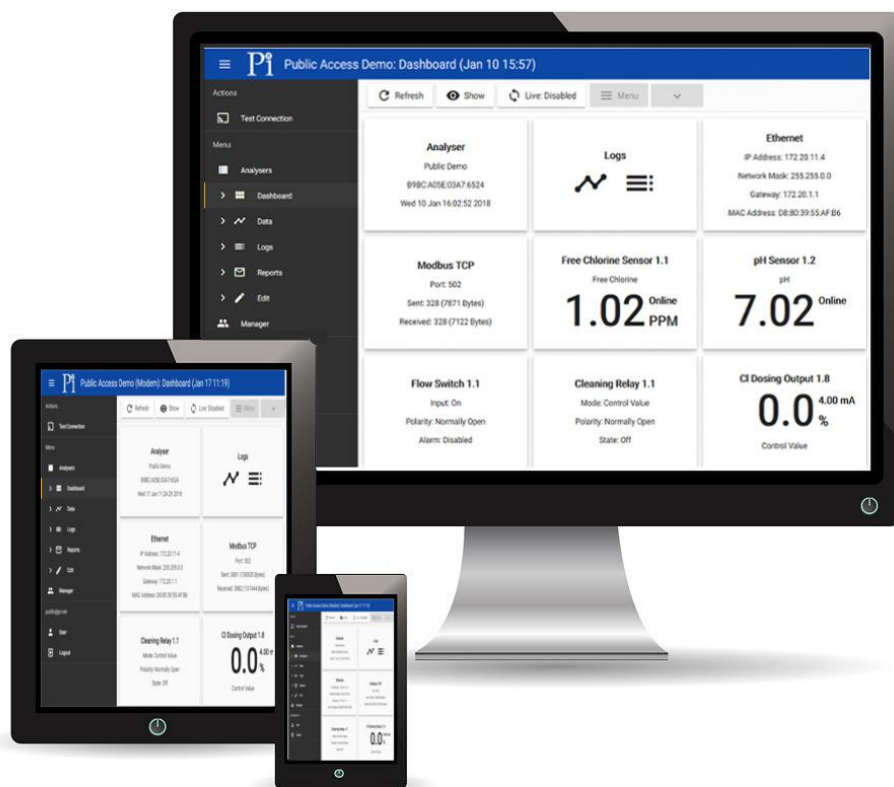
A Username and Password is required which allows the user to log in to Pi's cloud based portal. Depending on the security level of the user, they will have access to different functions within the analyzer. This allows sensitive settings on the instrument to be hidden from some users while other users can be given complete access.

When logged into the portal it is possible, for a user with complete access, to complete any function that is possible from the user interface of the actual analyzer (with a few security exceptions). This includes

checking current water quality readings, adjusting dosing set points and controls, checking historical datalogs and viewing system logs and alarms. With Pi, 'full remote access' means just that.

Cloud Based Data Analysis

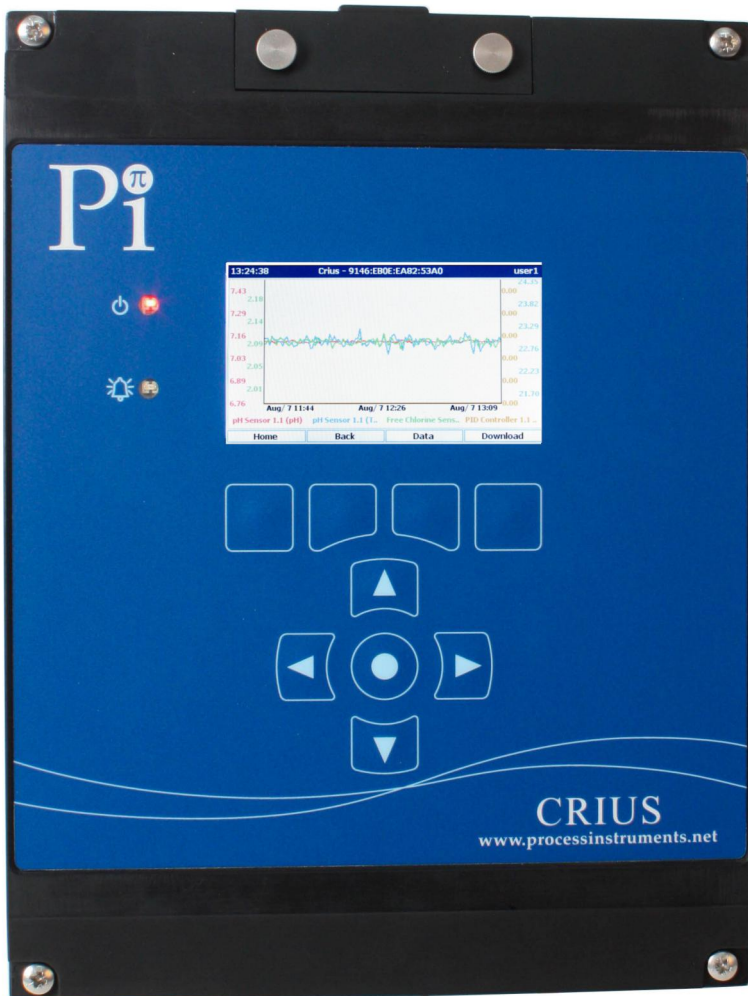
Pi's remote communications package makes use of cloud based computing. This gives the user the flexibility of remote access and data analysis without the inconvenience of installing dedicated software on their device.



www.processinstruments.net



Pi's cloud portal, as well as allowing direct communication with the analyzer, also acts as a data storage and analysis centre. Periodically (at user intervals), or at the user's request, the CRIUS® will upload its recent data and status logs to the Pi portal. Within the portal the logs are saved, allowing the user to view all historical data collected by the analyzer. The user can also manipulate the data to produce graphs by selecting single or multiple parameters to be displayed on a graph, change scales and graph appearance and then save these graphs within the portal or output them directly as an image file. Alternatively, the user can download the raw data from any graph and then use that data in any data analysis program (e.g. Excel). The user can also set rolling graphs showing the last 7 days for example, so at any point the user can login, select the graph and have an up-to-date view of their water quality parameters within seconds.



Email and SMS Logs and Alerts

The CRIUS® when equipped with remote communications, also has the ability to email and text multiple users, allowing the analyzer to update a user with its status at any time. When fitted with Remote Access, the CRIUS® can email data logs at user set intervals and email users if the system goes into alarm. When using Remote Access via a 2G/3G modem, the CRIUS® can text a user if the system goes into alarm. Multiple email addresses and phone numbers can be saved on the CRIUS® ensuring that all relevant people are sent a data log or informed of an alarm.

If an alarm is triggered on the CRIUS®, an email or text will be sent to the contacts in the contacts list. If text alerts are enabled, the CRIUS® will only text the first person in the contacts list. If the analyzer does not get a response from that contact, acknowledging the alarm, the CRIUS® will text the next person in its contacts list. The analyzer will continue down the list until the alarm has been acknowledged. A user acknowledges an alarm by simply texting the analyzer back with the pre-set response. With email alerts, an alarm message will be sent to all email addresses in the contacts list if an alarm is triggered. SMS text and email alerts can be switched on or off by the user at any time.

The email and text facilities within the CRIUS® ensure that the user is always kept up to date without ever needing to visit the site.

If you would like any more information about the

CRIUS®' remote communications capabilities or if you would like to access a demonstration of Pi's cloud portal please visit www.processinstruments.net/products/remote-access-demonstration/

Total Flexibility

Some customers will want to host their own instance of Pi's cloud portal, possibly behind a Virtual Private Network (VPN).

Others will want to incorporate the two way comms from cloud to analyser within their own cloud based application.

Both of these options are available, for more information and to discuss your individual requirements, please contact Pi.