

The Watermark

The Newsletter From

Automated Water & Effluent Ltd

Spring 2013

PH135 PORTABLE pH, mV & °C Meter

The PH135 is a new highly specified portable pH, redox & temperature instrument with the accuracy of a laboratory bench pH instrument.

The PH135 features a large easy to read alphanumeric display which provides assistance to the user with prompts during various phases of use.

The PH135 features selectable scales of 0-14.00 pH with a resolution of 0.01pH when used with a combination pH electrode, change the sensor to a platinum combination electrode and select the millivolts range and the PH135 will measure redox millivolts over the range of -1200 to +1200 millivolts with a resolution of 1 mV. The pH range can be manually set to the solution temperature over the range of 0 - 100 oC (oF can also be selected).

By using the stainless steel

temperature probe the pH measurements maybe automatically temperature compensated over the range of -10 to 110oC. Accuracy is ensured by the use of a 3 wire RTD sensor see

Watermark Winter addition 2012/13 for more details about temperature sensors.

The PH135 has a built in data logger so when the user is out and about checking the pH of the cooling water or remote effluent discharges up to 100 readings maybe stored and retrieved later.

The PH135 is supplied as a kit with 9015-3B epoxy bodied combination pH electrode with

900mm long cable and connector, AP1000 stainless steel temperature /auto temperature compensation probe with 900mm cable and connector, 4 pH & 7pH liquid buffers ready for use.



We Are Exhibiting Again this time at :-

The IWEX Exhibition 16th, 17th & 18th of April 2013

At The National Exhibition Centre (NEC) Birmingham.

Once again Automated Water & Effluent Limited will be exhibiting at the IWEX exhibition at the NEC on Tuesday, Wednesday and Thursday 16th 17th and 18th of April 2013.

If you need tickets please contact Mrs. Vera Young by telephone 01785 254597.
or e-mail vyoung@awe-ltd.co.uk.

On the stand will be our new touch screen effluent discharge monitor to record and data log Flow pH and Temperature

New on the stand will be the new portable pH meter P135 and C135 conductivity meter details to be in the summer Watermark

Will also be showing our 7600 range of instruments for pH, Redox, conductivity, dissolved Oxygen and residual Chlorine along with the BC7635/7335 slave controllers.

To compliment our instruments we will also be showing items from our wide range of pH and Redox sensors for submersion into open tanks, and

immersion into vessels and pipes, off line flow cells and auto clean electrodes, conductivity cells, dissolved oxygen electrodes and turbidity sensors.

There will be a selection of our red dosing pumps (RDP) with accessories to make a complete package including dosing quills, pressure relief valves, suction lances and flow sensors.

We are able to build simple dosing and control systems and back up our products with on site commissioning and routine service contracts.

Timed Dosing



- ◆ Low Cost Effective Dosing
- ◆ Simple Installation
- ◆ Easy to Use
- ◆ Supply 240 VAC
- ◆ Option for Battery Powered
- ◆ Supplied With Accessories
- ◆ Integrated Peristaltic Pump
- ◆ Quiet in Operation
- ◆ IP 55 Rating

We are not great fans of peristaltic pumps as most peristaltic pumps do not have continuously rated motors and due to the operation of the pump the tubes require regular replacement if the pump is run continuously.

However there are many applications where this is not a problem as the pump is only subject to intermittent use and is

required to dose non hazardous chemical reagents.

The Model TPD Timed Peristaltic Dosing Pump is ideal for those applications being a simple to install and use surface mounting pump.

The pump is controlled by a built in seven day digital timer allowing up to 5 timed output per day with day repeat

and day skip function providing flexible dosing programs to suit many simple dosing applications.

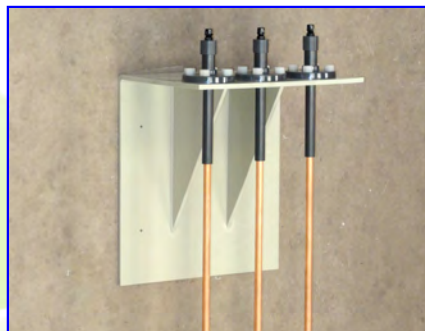
Power supply is either 230 VAC with the option of a battery powered unit for sites with no mains power.

Applications include drain dosing with enzymes to prevent a build up of fats oils and grease.

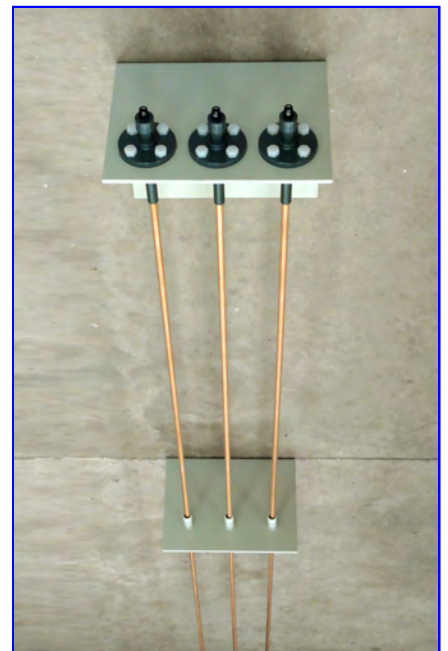
THE GRAPEVINE

As a result of our article about our ALC1101 level controller and level electrode in the last issue of The Watermark, we received an enquiry from a UK company for export to Nigeria for level control in a deep concrete sewage chamber.

The UK customer building the plant wanted something simple and cost effective so level electrodes and controllers where selected. The end user in Nigeria had previous good results using copper electrodes and specified copper for this application. So we set to and manufactured a batch of our traditional LE3 flange mounted level electrode holders modified to hold copper electrodes. As the chamber was in excess of 6 metres deep we made some intermediate mounting brackets to be fixed two thirds of the way down the chamber to support the long copper electrodes and stop them swing about.



We are advised the chamber only ever fills during the rainy season the remaining time only the bottom of the chamber fills. To make shipping east we supplied the electrodes in 3 metre lengths with connectors. the photo show just one set of three electrodes used for a single pump control. Remember, you heard it on the AWE grapevine.



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