Virtual Clean Probe

VCP™
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Beta VCP Makes Typical Fouled Probes *Virtually Clean*

Beta dispensers equipped with VCP measure conductivity with these fouled probes as if they were new!

- Reduces service calls
- Prevents overdosing
- Provides consistent wash quality

Beta
Built to a higher standard

VCP the Future of Conductivity Measurement

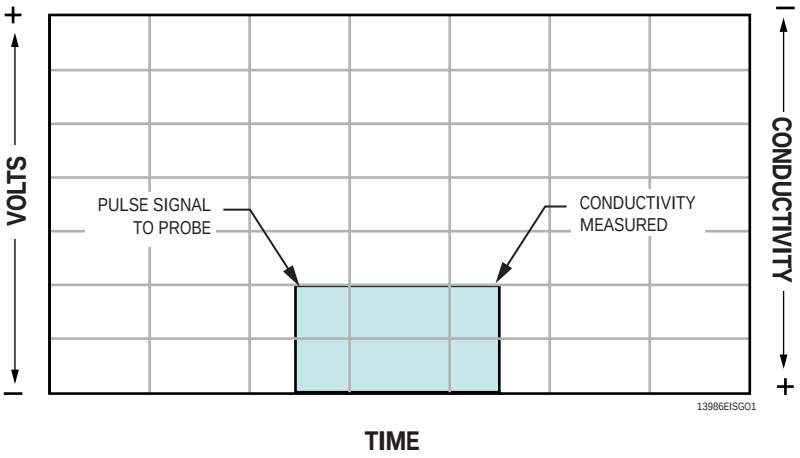
The key to proper detergent dosing is accurate conductivity measurement. Probe fouling is the prime limiting factor in system accuracy. As probes progressively foul, the dispenser thinks conductivity is lower than it actually is. This erroneous measurement causes dispensers to overdose, ultimately consuming so much product that a service call is requested.

Beta's introduction of the pulse powered probe was a breakthrough in reducing the effect of scaling. VCP builds on the pulse breakthrough with a patented digital signal processing algorithm that enables typical protein and hard water fouled probes to perform as if they were clean.

HOW VCP WORKS

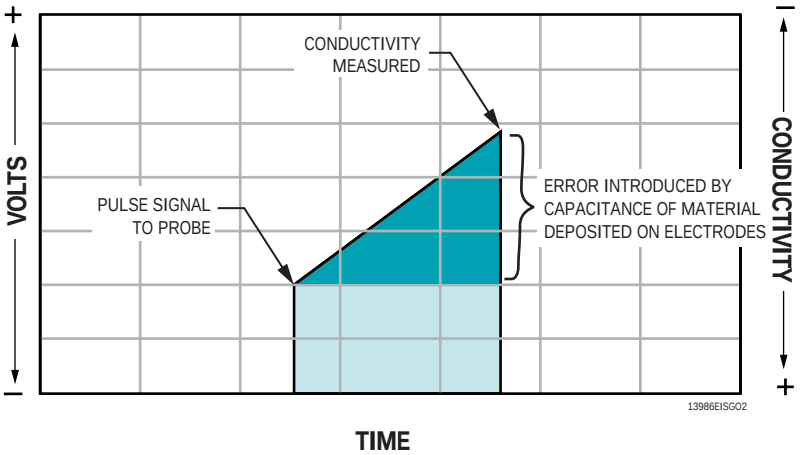
The pulse circuit sends a known voltage to the probe, then reads the return voltage based on conductivity a few moments later. On a clean probe the voltage remains constant between the period when the pulse starts and voltage is measured.

New clean probe performance



Fouling from hard water or protein causes a capacitance effect on the probe. Capacitance distorts the conductivity reading by allowing the voltage to charge up in the time period between the start of the pulse and voltage measurement.

Fouled probe performance

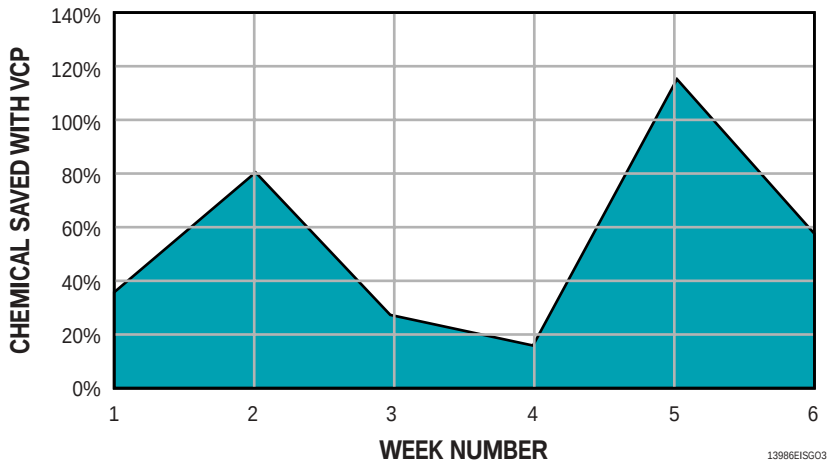


VCP is able to recognize when the voltage measurement is distorted by capacitance. It automatically corrects the conductivity reading to that of a clean probe.

VCP CASE STUDY #1

- Weekly probe cleaning was required with 1 1/2 hour drive each way.
- The account frequently changed chemical vendors because of dispenser reliability problems

Solution: VCP equipped dispenser

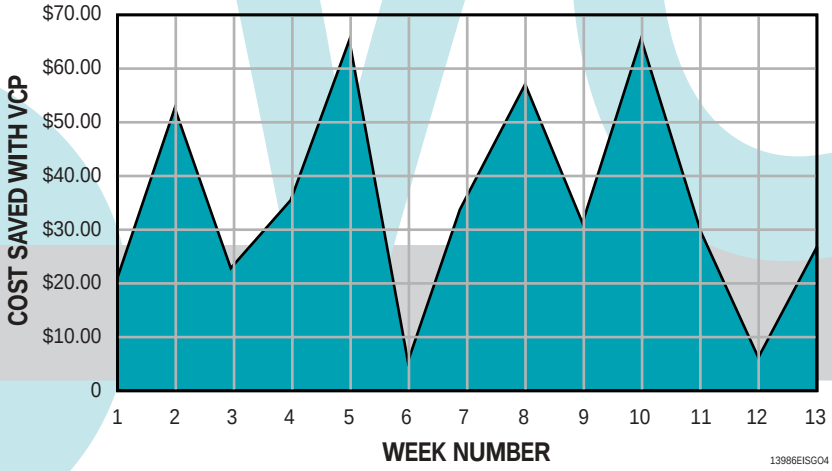


- Cut servicing requirements by over 6 hours/month
- Over consumption complaints ceased
- Increased customer loyalty
- Other dispenser brands proven to overdose in these conditions

VCP CASE STUDY #2

- Weekly probe cleaning required
- Account constantly complained that they were using too much detergent

Solution: VCP equipped dispenser



- Less frequent probe cleaning
- Over consumption complaints ceased
- The bottom line? Average savings of **$35.01/week**, a savings of **$1820.62/year**

Virtual Clean Probe

VCP IS AVAILABLE ON THE FOLLOWING DISPENSERS

VCP Equipped
NS-1000E

VCP Equipped
Sierra

VCP Equipped
H-3000E

Contact Customer Service for item numbers to retrofit an existing dispenser with VCP or order a new VCP equipped dispenser.

Beta Technology, Inc
2841 Mission Street
Santa Cruz • CA
U.S.A. • 95060

TEL • 831 • 426 • 0882
TEL • 800 • 858 • 2382
FAX • 831 • 423 • 4573
FAX • 800 • 221 • 8416
Customer Service

TEL • 800 • 899 • 7302 Tech Support
sales@beta-technology.com

Beta Technology, Inc
4 Finway, Dallow Road
Luton LU1 1TR

Freephone • 0800 • 052 • 4726
Tel • +44(0) • 1582 • 528600
Fax • +44(0) • 1582 • 528111
VAT REG.NO.BG.354 - 09975 - 44

europe.sales@beta-technology.com

Online Ordering: http://www.beta-technology.com