Azoteq

World Leader in Capacitive Proximity Sensing

Kodak Demonstrates Power of New Transparent Conductive Films with Multi-Touch Technology

Azoteq becomes the first company to integrate Kodak PEDOT technology with a capacitive touch screen controller

The Commercial Films Group of Eastman Kodak Company and Azoteq announced on January 31st,a breakthrough capacitive touch screen technology that incorporates a new two-sided transparent conductive film manufactured by Kodak and a touch screen controller manufactured by Azoteq for use in a variety of touch screen and signage applications.

The transparent touch screen sensor utilitizes Kodak's PEDOT conductive polymer film, marking a change in the way touch screen displays for low cost applications.

The Azoteq IQS550 Capacitive Touch Screen Controller is the first touch controller capable of interfacing with PEDOT sensors.

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To enable next generation capacitive user interfaces and intelligent switch applications for users to interact naturally with products through capacitive proximity and touch

Azoteq exhibits at Strategies in Light Conference in Santa Clara

Azoteq exhibited at the Strategies in Light Conference in Santa Clara for the first time in 2013. The focus of the conference was on new lighting technology and Azoteq demonstrated Capacitive Proximity and Touch solutions.

Azoteq presented a wide range of LED lighting solutions at our booth. Azoteq had demos and products from customers such as Energizer that are on the market today.

The dimming demos featured the IQS904 and IQS924 that both include Find-in-the-Dark Feature along with tap on/off and hold to dim.

The Proximity Light-Up Demonstration included our IQS128 and IQS228 to show a proximity range of 30 cm.

We enjoyed meeting everyone and are excited to help you with all of your Capacitive Proximity and Touch Sensor Needs. Contact us today so that we can help you with any questions that you may have!

Azoteq booth at Strategies in Light

Kobus Marneweck and Abhijit Patil before attendees started arriving

Demonstration Highlight: The Air Slider LED Lamp

One particular demonstration to highlight from Azoteq's Strategies in Light booth is the Air Slider LED Lamp.

The Air Slider lamp uses the IQS550 to implement two sliders, one on each side of the lamp. One side adjusts the intensity of the LEDs while the other side changes the color of the LEDs inside of the lamp.

Azoteq's best in class Signal to Noise Ratio and sensitivity enables touch-less operation.

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"Azoteq selected the Kodak PEDOT film for touch screens and track-pads because it offers high transmissivity and the ability to be formed into unique sensors," Dr. Frederick Bruwer, Azoteq CEO said. "In addition the patterning is completely invisible to the naked eye and can be manufactured as a two-sided sensor that significantly reduces cost."

"The IQS550 platform represents a milestone in flexibility for Azoteq," added, Dr. Frederick Bruwer. "Azoteq will offer the IQS550 Touch Screen Controller as the first configuration with other products from the same platform coming to market shortly."

The transparent projected capacitive sensor used with the IQS550 is constructed with Kodak HCF-225 Film/ESTAR™ Base and features conductive layers on each side of the film – to save on both thickness and cost.

For the past year, Kodak has been working with the Conductive Polymers Division of Heraeus Precious Metals GmbH & Co. KG, producer of Clevios™ PEDOT:PSS, and the Functional Printing Division of GSI Technologies to create technologically advanced transparent conductive films featuring completely invisible patterns.

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"Printed electronics is a developing capability that will provide new possibilities for device makers like Azoteq," said Tom Brennan, Product Line Manager, Aerial & Industrial Markets for Kodak. "The superior flexibility and durability of the PEDOT-based films are a great example of how new technology will expand the world of printed electronics."

Dr. Ron Lubianez, Global Sales Manager at Heraeus commented: "optimized Clevios™ highly conductive polymers have permitted new applications in touch technologies that were unthinkable only a few years ago. Now printable and patternable technology is available at an economic price."

The Azoteq IQS550 will be featured at the Flexible & Printed Electronics Conference and Exhibition (FlexTech Alliance) Phoenix, AZ., January 29 – February 1st (Heraeus Booth #35).

At FlexTech, Dr. Lubianez, from Heraeus will also present at the conference, "Conductive Polymer Films and Invisible Patterning Techniques for Transparent Electrode Applications" during which the IQS550 Controller will be demonstrated.

The IQS550 can also be seen at the IPC APEX Expo, February 19-21st in San Diego, CA. (Kodak Booth #3040).

The full press release is available here.

Azoteq Adds Coakley, Boyd and Abbett as Representatives

Azoteq representative network expands to New England

Azoteq announced on February 8th, 2013 announced that Coakley, Boyd and Abbett(CBA) has been appointed to represent Azoteq in New England. Azoteq is represented in all the major US markets, central Europe and has extensive Asian coverage.

Azoteq's ProxSense® offers the most sensitive capacitive sensing solutions with the highest signal to noise ratio in the market today. The high sensitivity enables long range proximity sensing and the ability to implement touch solutions that can work through thick cover materials.

"Azoteq partnered with Coakley, Boyd and Abbett because they have an excellent team with vast experience and access to key customers", said Kobus Marneweck, Azoteq's VP of Marketing.

"Coakley, Boyd and Abbett is excited about our alliance with Azoteq. We believe there is a large untapped market for this technology, and we look forward to working with our key customers and Azoteq to bring leading edge proximity and touch solutions into real world consumer and industrial products" said Bob Walsh, President of CBA.

Azoteq's ProxSense® offers the next generation of capacitive proximity and touch solutions. Proximity sensing enables new applications such as detecting when a user's hand approaches the product.

Features that can be implemented with proximity sensing include find-in-the-dark (enables backlight when hand approaches) and air gestures (wave hand to turn on/off, page and scroll). The combination of proximity and touch presents the next evolution in user interfaces.

Editorial Contact & Interviews:

Kobus Marneweck

+1-512-538-1995

The full press release is available here.

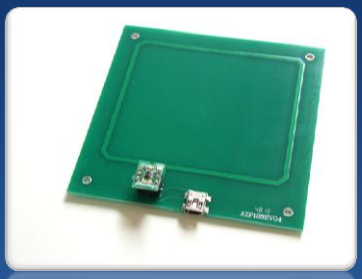
About Coakley, Boyd, and Abbett

Coakley, Boyd and Abbett, Inc. (CBA) is a leading electronics manufacturer's representative serving OEMs and distributors in New England. CBA is committed to long-term customer and principal relationships with the highest degree of customer satisfaction.

Tips & Tricks
Loop Electrode

Ever needed to have proximity integrated with your project, but didn't want to have a large copper plate? With Azoteq's technology and sensitivity, you won't need to!

One design trick that you can do is make a trace that goes around the parameter of your PCB to form a connected loop. This loop will allow you to achieve a high proximity range without having to rely on copper fills.



The IQS128EV04 is a great example of a loop electrode to achieve a high proximity range

Sales

Azoteq International
Jean Viljoen
+27 21 863 0033
jean.viljoen@azoteq.com

Azoteq USA
Kobus Marneweck
+1 512 538 1995
kobusm@azoteq.com

Azoteq Asia
Lina Yu
+86 (138) 2696 0845
linayu@azoteq.com.cn

Distributors

Worldwide
Mouser Electronics
+1 800 346 6873
Sales@mouser.com

Worldwide
Future Electronics
+1 514 694 7710

Taiwan
Holy Stone Enterprise Co. Ltd
Terry Chiang
+886 2 2659 6722 ext 302
terrychiang@holystone.com.tw

China
Infortech
Summer Yin
+86 21 51087875 ext 355
summer_yin@infortech.net.cn

South Korea
SPCorporation
Moon Pack
+82 16 729 6070
+82 2 3012 6070
mpack671@yahoo.co.kr

South East Asia
Locus Marketing Pte. Ltd
Sam Liew
+65 6299 7308
+65 6292 5848
samliew@locus.com.sg

Representatives

USA- Southern California
O'Donnell South
+1 310 781 2255
sales@odas.com

USA- Northern California
O'Donnell Associates North
+1 408 456 2950
wepich@odonnell.com

Europe – UK, Ireland
Clere Electronics
+44 (0) 1635 291666
+1 512 656 4686
david_lykes@logic1sales.com

USA- GA, NC, SC, TN, MS, AL
Quantum Marketing, Inc
+1 310 781 2255
jeannette.ayerbe@qmirep.com

USA- TX, LA
Logic 1 Sales
+1 512 656 4686
david_lykes@logic1sales.com

Central Europe
ActiveRep GmbH
+49 (0) 812 2227 9270
+49 (0) 171 3098 721
brendon.hutton@activerep.com

USA- NY, NJ, PA, DE, MD, VA
Analectro
+1 856 795 6676
sales@analectro.com

USA- MA, NH, VT, ME, CT, RI
Coakley, Boyd & Abbett
+1 508 820 0800
rwalsh@cbane.com