

The New Products From The Entire Electronics Industries

Intelligent Inspection System for selective Solder Joints features new Camera

GOEPEL electronic offers an internally developed camera and illumination system for optical inspection of selective solder joints to be integrated into external test cells. The integration package contains a specifically designed 4 Megapixel BUZZARD camera with GigE interface, multispectral illumination, a PC and respective software. The camera and illumination system concept, which has been successfully utilized in GOEPEL electronic's well-proven OptiCon AOI systems for mounted PCBs, can be configured to



the specific optical test demands of each inspection system.

The 4 Megapixel camera BUZZARD with integrated Power PC provides excellent images, and provides functionalities for image pre-processing, e.g. equalization, shading corrections, filter functions and many more. Another highlight is the multispectral illumination incl. control, coverage of light spectrum from UV to IR and guaranteed high-contrast images of inspected solder joints and components. The BUZZARD camera is the first in a line of newly developed camera systems based on several CCD sensors.

An integral part of the integration package is the easy-to-use TOM Line software for industrial

applications. It features an extensive range of test functions, for example to evaluate THT solder joints, shorts or solder splashes. The software can be operated and controlled by means of a remote interface.

This integration package consists exclusively of components developed and produced in GOEPEL electronic's facilities. Consequently, inquiries concerning system integration, service and support can be processed fast and qualified.

Visit: www.goepel.com

GDM-834x Series Dual Measurement Multimeter

GW INSTEK rolls out the new generation Dual Measurement Multimeter – the GDM-834x series, which has two models -GDM-8341 and GDM 8342. Its exceptional features include 50,000 counts, VFD dual-display, 0.02% basic DC voltage accuracy and a USB protocol connector to provide users with measurement precision, lucid data observation, and the convenience to connect with the personal computer. The GDM-834x series not only supports the fundamental measurement items provided by general multimeters, but also equips with capacitance and temperature measurement functions. Furthermore, the GDM-834x series also provides many auxiliary functions to meet the measurement requirements for manufacturing process tests, educational experiments and testing facilities. With respect to storing and retrieving data, the GDM-834x series has two methods to offer: first, the USB flash drive storage function --- operating alone without connecting with a



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computer; second, USB interface (virtual COM port) and optional GPIB interface (must be installed in factory) for automatic measurement system users to conveniently save and retrieve data.

It offers

- Convenient USB flash drive storage function
- Selectable measurement speeds
- Various measurement items and functionalities
- Dual measurement/dual display
- Free software-remote control and data retrieving
- Command compatibility

Key features

- 50,000 counts, VFD display
- Dual measurement/dual display
- Selectable measurement speeds, the maximum: 40 Readings/s for DCV
- The basic precision of DC voltage: 0.02%
- Auto/manual range selection
- True RMS (AC, AC+DC) measurements
- 11 different measurement functions
- Max./Min., REL/REL#, MX+B, 1/X, Ref%, Compare, Hold, dB, dBm
- Standard USB device interface to connect with a computer
- Temperature measurement function (GDM-8342 only)
- USB storage function (GDM-8342 only)
- Optional GPIB interface (GDM-8342 only and must be installed in factory)

Contact Details:

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Website: www.gwinstek.com

Kusam-Meco Bench-Type True RMS DMM (Model KM 8045)

"KUSAM-MECO" has introduced a New Bench-Type Digital Multimeter Model 8045. It is 4½ digit, max. display 19999 counts, high performance Bench-type DMM with Liquid crystal display. Basic Accuracy is $\pm 0.05\%$. It can be used to measure DC and AC voltage. DC and AC Current, Resistance, Capacitance, Hz, hFE, Diodes and Continuity. The max. Voltage measurement is upto 1000V DC or AC peak value, Resolution is 10mV, and Current measurement is upto 20A. Its sampling rate is 3 samples/sec.

It also has the function of polarity Auto-change, Backlight display along with Data Hold. It has



Overload protection in all ranges. Its Input Impedance is 10MW. AC measurement is performed by high accuracy

True RMS function, which has the feature of width measuring & to get accurate RMS for AC flow of any wave shape.

DC Voltage Range is 200mV/2V/20V/200V/1000V & accuracy is $\pm (0.05\%rdg + 3digits)$

AC Voltage Range is 200mV/2V/20V/200V/750V & accuracy is $\pm (0.8\%rdg + 80digits)$

DC Current range : 20mA / 200mA / 2A / 20A & accuracy $\pm (0.35\%rdg + 10digits)$, AC Current range : 200mA/2A/20A & accuracy $\pm (0.8\%+80)$, Resistance range : 200W / 2KW / 20KW / 200KW / 2MW / 20MW & accuracy $\pm (0.1\%rdg+5digits)$, Frequency range : 20KHz / 200KHz & accuracy $\pm (1.0\%rdg + 20digits)$.

AC Frequency Response is 40 - 50 KHz. Capacitance range : 20nF / 2mF / 200mF & accuracy $\pm (3.5\%rdg+20digits)$. Its power is AC 220V/110V for 50Hz / 60Hz.

For more details contact:

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Compact 7W Constant Current LED Driver

Introducing the new RACD07, RECOM Lighting adds a new low-cost, constant-current LED driver to their portfolio. Thanks to its universal input range of

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90-295VAC, the RACD07 is ideally suitable for applications worldwide. The modules supply a power of 7 watts and are available with constant-current options of 250mA, 350mA, 500mA or 700mA.

To facilitate the installation for applications with limited space, the connections are located on one side of this compact device, which also includes a grounding clip for screw mounting. The RACD07 is compliant with IP67, meaning it can be installed in moist rooms like sanitary facilities or basements as well as exteriors. The driver is short circuit- and overcurrent protected and has a high isolation voltage of 3750VAC between input and output.

The RACD07 is certified to EN61347, EN61000-3-2 Class C as well as EN55015. In addition to a long design lifetime (MTBF > 200.000 hours) the drivers come with a 3-year warranty.

Visit: www.recomasia.com

Socomec Launches New ITYS I UPS System in India

SOCOME C Innovative Power solutions, a subsidiary of France based Socomec Group announces the launch of its New ITYS I single phase UPS system range from 1000 to 3000 VA designed to ensure continuous power supply for Business IT and Industrial applications. These products are available only for Indian market.

Socomec continue to introduce innovative and reliable UPS systems that meets the market demand. The ITYS I series is a range of compact



UPS systems available in 1000, 2000 and 3000 VA models. The UPS have been field tested and developed to meet the requirement of various applications such as Professional Workstations, Servers and corporate networks, Storage systems, Industrial Process automation, Security Systems, ATM and Telecom Systems.

To find out more: www.socomec.co.in

Delta Rolls Out the Ultron HPH Series UPS

Delta Group, a world-leading energy saving solutions provider, today announced the launch of its new Ultron HPH Series UPS. With power ratings of 20/30/40kVA, the Ultron HPH Series offers true online double conversion UPSs that provide best-in-class power protection with a combination of maximum available power, unbeatable energy efficiency and superior power performance. The Ultron HPH Series is ideal for small datacenters as well as industries involved in factory equipment,



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communication systems, computer network systems, medical treatment systems, monitoring systems and more.

More information about Delta MCIS products can be found at: www.deltapowersolutions.com

Indium Corporation's SACM™ Increases Portable Electronics Drop-Shock Performance by 800%

Indium Corporation announces a new technology platform using the SACM™ solder alloy that satisfies the continuing demand for cost-effective reliability requirements of portable electronic devices. SACM™ solder alloy offers drop shock performance far superior to other SAC alloys, without compromising on thermal cycling. Its low silver content makes this a cost-effective solution for portable electronics.

The platform consists of Indium8.9 Series solder pastes using Indium Corporation's patented-



pending SACM™ solder alloy technology for board-side interconnect, and SACM™ solder balls (spheres) for package level interconnect.

SACM™ solder alloy technology addresses these challenges. "SACM's stable, micro-structural improvements to the intermetallic compound layer of the solder-to-pad interface are impressive. We see a fine grain size with a thin, stable IMC layer, even after exposure to accelerated life conditions. These micro-structural improvements translate into an 8X (800%) improvement in drop-shock performance and 50% extension in thermal cycling," said Dr. Ning-Cheng Lee, Indium Corporation's Vice President of Technology.

The portable electronics industry is faced with the ongoing challenges to: improve drop-shock performance without sacrificing thermal cycling performance; reduce the need for expensive board-level underfills (and the associated material, process and re-work costs), as well as the inability to even reach some areas with underfill; and reduce costs by extending wafer-level package size to larger areas, enabling higher functionality of the low cost-per-I/O package.

Solder joint architectures that utilize both SACM™ solder paste and SACM™ solder balls can maximize reliability benefits with enhanced interfaces for both solder-to-package and solder-to-printed circuit board.

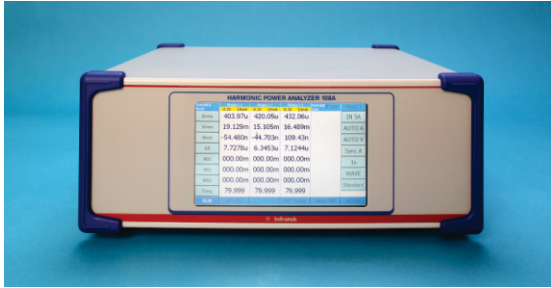
Indium Corporation is a premier materials manufacturer and supplier to the global electronics, semiconductor, solar, thin-film, and thermal management markets. Products include solders, and fluxes; brazes; sputtering targets; indium, gallium, and germanium metals and inorganic compounds; and NanoFoil®. Founded in 1934, Indium has global technical support and factories located in China, Singapore, South Korea, the United Kingdom, and the USA.

For more information about Indium Corporation visit www.indium.com

The new 108A Power Analyzer Generation

Infratek introduces the latest 108A Universal High Precision Power Analyzer available from single- up to six phases. It is a state of the art instrument with smart design, countless features and measurement functions. Like all Infratek Power Analyzers it is user friendly and simple to operate. Just let you guide

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from your intuition. Almost all setting changes are accomplished with two touches on the display screen or two clicks with the mouse. Furthermore, it offers four different measurement modes, standard, logging, transient and power-speed which enhances the 108A Power Analyzer capabilities. It supports and benefits the engineer's applications such as: calculating all quantities of power electronics, including motor- and transformer values, harmonics, energies, analog inputs, and speed. In addition, the 108A offers wide current- and voltage inputs and outputs up to 3400 values per second. It is provided with the most recent interfaces.

For the first time an Infratek Power Analyzer is provided with a wide angle touch screen with TFT color display with a resolution of 800 x 480 pixels. Another major advantage is the unique modular concept of the 108A Power Analyzer; upgrading at any time is feasible.

All in all, the new 108A Power Analyzer is a powerful measurement device, which every user could dream of.

For additional company information, please visit www.infratek-ag.com.

COSEC NGT FCX

COSEC NGT FCX is an innovative door controller with award winning design to manage time-attendance and enhances security. Advance features like multimedia, camera, touch screen display, voice guidance, PoE and wireless connectivity assist in overcoming the functional challenges of the organizations. Such user friendly features also reduce the complexity of using a biometric device for the employees.

Features

- Capacitive Fingerprint Sensor
- 3.1 MP Camera
- Photo Capture and Storage
- 7" Touch Sense TFT LCD

- Graphical User Interface
- Voice Guidance
- Multimedia Functions
- Wired and Wireless Connectivity
- Inbuilt PoE and Wi-Fi
- 100,000 Events Storage
- 10,000 Users
- 9,600 Fingerprints Storage
- Integration with DVR, NVR and Fire Alarm Panel

Contact:

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3 Phase Digital Panel Meters

"MECO-G" has introduced 3 1/2 Dgt. 3 Phase Digital Panel Meters with BRIGHT Red LED display. These instruments can display the Voltage &



Current in 3 Phase 3 Wire & 3 Phase 4 Wire system with Auto Scrolling Facility.

These instruments have Hold Facility to display individual phase. Glowing Red LED indicates Phase being measured R-Y-B, RY-YB-BR.

The Current range 1A or 5A can be scaled to show primary C.T. Current from 10.0A to 1600A with Decimal Point Selection.

These instruments are available in standard Din Size 96x96 mm.

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