

tyco

Electronics



a vital part of your world

ENERGY PRODUCTS

Power Measurement, Control and Protection Solutions

Crompton Instruments offer an extensive range of products designed for the measurement, control, analysis and communication of power and energy consumption, and power quality data. Crompton has earned a world wide reputation for innovation, quality, service and technical expertise for a diverse array of industries and applications.

Integra Digital Metering Systems

A comprehensive range of high accuracy multi function digital metering systems offering measurement, display and communication of over 100 parameters, including true RMS measurement for total harmonic distortion and power quality data. Integra products are fully programmable via a simple menu driven interface and can be integrated into energy management systems via RS485 Modbus, Johnson Controls, Lonworks or Profibus interface options. To suit requirements, Integra offers pulsed, analogue and digital output options, and a choice of DIN, ANSI and JIS case styles, with high quality LED or LCD display.

Kilowatt Hour Energy Meters

An innovative range of panel mounted or DIN rail mounting meters ideal for monitoring energy consumption. These self contained meters offer combined kW.h or kVA.h energy measurement, with pulsed or analogue output options and selectable CT and VT ratios, thus replacing the need for rotating disc meters and separate instantaneous wattmeters. Microprocessor controlled circuitry provides up to class 1.0 accuracy, which can be displayed via electro-mechanical or LCD counters, or various integral instantaneous indication options.

Transducers

An extensive range of high specification transducers providing measurement, isolation and conversion of electrical parameters into industry standard DC output signals, with communication interface options of RS485 Modbus, Lonworks and Profibus. Integra 1560 and 1580 multi function transducer systems offer up to 4 user programmable analogue outputs, and measurement of up to 50 electrical and power quality parameters, including THD. The Paladin range of DIN rail transducers offer multiple analogue outputs from one housing, and class 0.5 or 0.2 measurement of up to seven electrical parameters, including true RMS sensing.

Protector Trip Relays

A comprehensive range of electronic control products, providing continuous monitoring and protection of any electrical parameter. When the monitored parameter deviates from the desired set point limit, the relay will operate to protect the power asset. Designed to suit a wide variety of applications, the range offers both traditional and technologically advanced products, including single parameter units, earth leakage protection, ground fault relays, vector shift and ROCOF, and multifunctional microprocessor based system protection relays.

Meter Relays

A comprehensive range of meter relays offering measurement, monitoring and control of any electrical or process parameter. Relays combine a highly accurate indicator with high and low set points, which operate alarm and control circuits when the monitored signal value deviates from the set point limits. The range includes digital and analogue meter relays, and digital bargraph indicators and controllers, ideally suited for process control and load shedding applications.



Digital Indicators

A highly versatile range of digital indicators providing measurement and display of AC and DC current, voltage and frequency; and loop powered, square root, RTD and thermocouple inputs. The range offers LED and LCD digital indicators, bargraph indicators and controllers, and a complementary signal interface module. These products provide clear indication of parameter status which can be viewed from a distance of up to eight meters, and are ideally suited for control panels and switchboards, monitoring systems, power generation and control applications.

Analogue Instruments

High quality analogue instruments designed to measure an extensive range of electrical and electronic parameters. This comprehensive range offers DIN instruments, ANSI switchboard meters, panel indicators, sealed and ruggedised instruments, and complementary selector switches for line to line and line to neutral readings. Instruments are precision engineered and robust in design, ensuring accurate measurement and display in the most demanding of environments. All instruments are available in a range of styles, sizes and specifications to meet the exacting needs of industry.

Current Transformers

An extensive range of high quality current transformers offering comprehensive measuring and protection class accuracies. The range provides accurate measurement of high primary currents and ratio matching to a consistent 5 or 1 Amp secondary current, proportional to the primary current. To suit the requirements of every application, the range offers moulded case, miniature, core balanced, tape wound and split core current transformers with integral transducers in a wide range of system current ratings, busbar sizes, case widths and apertures, with various mounting options.

Shunts

This range of shunts provides an accurate DC millivolt signal, exactly proportional to the system current to drive ammeter indicators, overload protection and control devices. The use of high quality materials, advanced manufacturing techniques and rugged design provides maximum reliability, even in the most arduous of conditions. To suit the requirements of individual applications the range offers Industrial, Switchboard, DEF 66-13, DIN, base mounted, tag end, lightweight and panel meter shunts, which can be supplied in a variety of formats and configurations.

Generator Set Controllers

A range of multi function products designed specifically to meet the exacting standards required by OEM specification. The range offers the generator set manufacturer and panel builder space saving and cost effective alternatives to traditional analogue meters, relays, timers, lamps and switches. To suit the requirements of combined heat and power, co-generation, diesel and gas engine generator applications, the GenSet range offers products for basic levels of control, through to sophisticated multifunctional products offering automated engine starting, stopping, transfer switching, protection, control and metering.

Generator Set One Stop Solution

A cost effective one stop solution, specifically designed to provide the generator set builder with a complete engine monitoring, control and protection package. Packages are available to suit a wide range of generator set applications, and typically include 3 ammeters, 1 voltmeter, 1 frequency meter, 1 hours run meter, 1 generator set controller, 3 current transformers and a selector switch. These high quality products offer ultimate reliability for the safe and efficient operation of expensive power assets.

The Tyco Electronics logo, with "tyco" in a bold, lowercase font and "Electronics" in a smaller, lowercase font below it, all on a black background.

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Energy Products – economical solutions for the electrical power industry: cable accessories, connectors & fittings, electrical equipment, instruments, lighting controls, insulators & insulation enhancement and surge arresters.