



## Crompton Instruments Power Measurement, Protection and Control

# Instrumentation, power measurement and control

Crompton Instruments products have been synonymous with innovation for over a century. Beginning with a variant of the Serrin arc lamp, this heritage continues with the Integra digital metering systems, demonstrating a continuing commitment to putting new technology to work in the marketplace.

The focus on measuring energy began with Colonel Crompton's patented concept for a revolving energy counter and his support for a combined circuit measuring voltage and current. Starting with analogue instruments, the product range had widened by the 1970s to include transducers, protector trip relays and current transformers. During the 1990s, this portfolio was strengthened with a progressive upgrade to micro-based integrated technology from discrete circuitry.

Crompton Instruments products take a dual-track approach: providing both cost efficient and user-friendly technology.

Crompton measuring and control solutions provide a cost effective upgrades to existing analogue equipment and efficient alternatives to multi-function relays. Products like the Integra digital metering systems provide sophisticated, yet user-friendly innovation, combining microprocessor technology with button-driven menus. The extensive use of remote communication protocols allow individual instruments to be fully integrated into comprehensive energy management systems.

Crompton Instruments products: applied innovation for the entire electrical energy circle, from power generation to final consumers.

With a 50-plus year history of leadership, TE Connectivity is a global, \$12.1 billion company that designs and manufactures over 500,000 products that connect and protect the flow of power and data inside the products that touch every aspect of peoples' lives. Our nearly 100,000 employees partner with customers in virtually every industry - from consumer electronics, energy and healthcare, to automotive, aerospace and communication networks - enabling smarter, faster, better technologies to connect products to possibilities.

## TE Energy - Connecting the world of power

TE Energy, a global operating unit of TE Connectivity, provides products and systems for a wide range of industry including power utilities, equipment manufacturers, and transportation. Each business unit within TE Energy comes with specialised products or systems and focused set of application skills. In addition to Crompton Instruments, other well known product brands include AMP, Axicom, Bowthorpe EMP, Dorman Smith, Raychem and Simel.

By synchronising product development and manufacturing capacities globally, TE Energy is able

to bring innovative and technology driven products quickly to market. Its significant position in individual segments and expertise allow it to provide customers with a high level of engineering assistance and continuous after-sales support.

[www.energy.te.com](http://www.energy.te.com)

**TE Energy is a leading supplier of:**

- Cable accessories
- Connectors and fittings
- Insulators and insulation
- Surge arresters
- Switching, protection and lighting
- Power measurement and control



# Crompton Instruments

complete product range

## Integra Multi-function Metering Systems

Integra range of multi-function metering systems measure, display and communicate over 100 parameters. Integra systems can be integrated into energy management and SCADA systems. Options include pulsed, analogue and RS485 communication protocols, a choice of DIN, DIN-rail and ANSI case-styles and LED or LCD displays.

[www.crompton-instruments.com/integra.html](http://www.crompton-instruments.com/integra.html)

## Integra and Paladin Transducers

Extensive range of transducers providing measurement, isolation and conversion of electrical parameters into industry standard DC output signals, offering single or multiple analogue outputs within a single case housing.

[www.crompton-instruments.com/transducer.html](http://www.crompton-instruments.com/transducer.html)

## kWh Meters

DIN-rail mounted or self-contained panel meters measure combined kWh or kVAh with pulsed or analogue output options and selectable CT and VT ratios. Microprocessor controlled circuitry provides up to Class 1.0 accuracy with outputs displayed directly on the instrument monitor or a remote PC.

[www.crompton-instruments.com/kwh.html](http://www.crompton-instruments.com/kwh.html)

## Protector Trip Relays

Trip relays continuously monitor and protect any electrical parameter within a set point limit. This versatile range offers numerous trip functions for single and three phase power systems.

[www.crompton-instruments.com/protector.html](http://www.crompton-instruments.com/protector.html)

## Analogue Instruments

Traditional range of analogue instruments includes ANSI switchboard meters, panel indicators, sealed and ruggedized instruments, and complementary selector switches for line-to-line and line-to-neutral readings. All instruments are available in a range of styles, sizes and performance specifications.

[www.crompton-instruments.com/analogue.html](http://www.crompton-instruments.com/analogue.html)

## Current Transformers

Extensive range of current transformers for reducing high primary currents down to a consistent 5 or 1 Amp secondary current. Options include moulded case width, busbar and aperture sizes, tape wound, 3-in-1, balanced and split cores, current ratings and various mounting options.

[www.crompton-instruments.com/ct.html](http://www.crompton-instruments.com/ct.html)

## Meter Relays and Digital Indicators

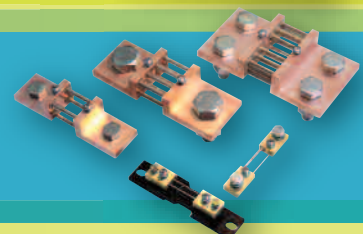
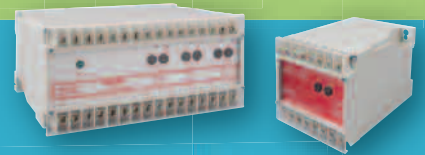
Meter relays and digital indicators are ideal for monitoring, process control and load shedding applications. This range includes digital and analogue meter relays, digital bargraph indicators and controllers.

[www.crompton-instruments.com/relay.html](http://www.crompton-instruments.com/relay.html)

## Shunts

Shunts provides an accurate dc millivolt signal, exactly proportional to the system current, to drive ammeter indicators, overload protection and control devices. This range includes industrial, switchboard, DEF 66-13, DIN, base mounted, tag end, lightweight and panel meter shunts in a variety of formats and configurations.

[www.crompton-instruments.com/shunt.html](http://www.crompton-instruments.com/shunt.html)



## About TE Connectivity

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**TE Energy – innovative and economical solutions for the electrical power industry: cable accessories, connectors & fittings, insulators & insulation, surge arresters, switching equipment, street lighting, power measurement and control.**

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