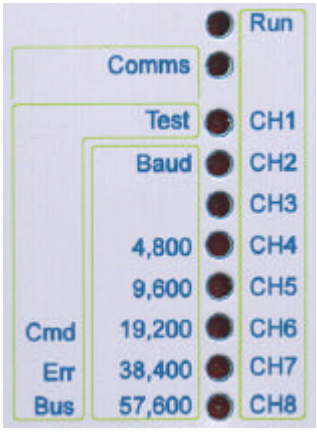
LOGi.t
Pulse Loggers

The ***LOGi.t PL8*** has 8 digital inputs for counting pulses or Measuring 'Hours Run'.

The ***LOGi.t PL6A*** has 6 digital inputs plus two analogue inputs, one for a Pt100 thermometer & one for standard 0-20mA (4-20mA) signals - suitable for any transducer.



Log consumption data from ***kWh Cube***, ***PowerCube***, ***PowerRail***, and other electricity meters, AND from water and gas meters etc.

Log temperature & analogue values with the ***LOGi.t PL6A's*** input for a Pt100 temperature sensor and its 0-20mA analogue signal.

Monitor plant operation with the ***LOGi.t Pulse Loggers'*** pulse inputs that can be used as '**Hours Run**' inputs as well as pulse counters.

Communications: Both ***LOGi.t Pulse Loggers*** are fitted with an RS232 comms port for local use, and an RS485 port for networked applications, allowing multidrop operation for up to 50 ***LOGi.t Pulse Loggers***.

Connection: ***LOGi.t Pulse Loggers*** may be connected directly to a PC, or via a MODEM or via the Internet.

Installation using the ***LOGi.t Pulse Logger's 'Diagnostic LEDs'*** allow operation of each channel to be verified. And where multiple Loggers are connected to a single RS485 bus, the ***'Scan Function'*** automatically detects them.

Commissioning by '***Intelligent Auto-Selection'*** allows the RS232 port to be use d for local configuration without having to disconnect the ***LOGi.t Pulse Loggers*** from the network. And the Logger's '***Diagnostic LEDs*** assist in trouble-shooting communications.

Operation: ***Real-Time Access*** allows operation of individual ***LOGi.t Pulse Loggers*** to be viewed and verified. Automatic downloads can be individually scheduled to suit the application. The ***History File*** lists all downloads on your PC giving you full details, including success and failure, of operations. The '***Current Value Window***' allows accumulating values to be viewed from a remote PC. As well as averaging Analogue Inputs over the log period, e.g. for temperature measurements, the ***LOGi.t PL6A*** also logs the Max/Min values – monitors peak loads and minimum Power Factors.

Analysis: Supplied as standard, the pre-written Excel @ Worksheet analyses your downloaded data.

LOGi.t Pulse Loggers are supplied complete with all necessary software for set-up, for down-loading data both manually & automatically; and for analysing data from one or more ***LOGi.t Pulse Loggers***.

LOGi.t Specification

Logging		
N° of Inputs	PL8	8 Digital
	PL6A	6 Digital
		1 Resistance 0-200 Ohm
		1 Analogue 0-20mA
Volt Free Digital Inputs		ON < 800 Ohm
		OFF > 20,000 Ohms
Pulse Rate		20Hz max
Min ON Time		10ms
20mA Input Loop Supply		15 volt dc at 30mA max
Storage Capacity		2047 readings
		42 days at 30 minute intervals
Logging Interval		From 10 sec to 6 hours
Memory Mode		Linear or Circular

Auxiliary Supply	
Standard	230 V ±15% 45-65Hz 4VA
Optional	115 V. Other values to order

General	
Enclosure	Noryl UL94-V0
Size	159 x 90 x 58mm
	DIN 43880, 9 modules wide
Weight	400 gms approx
Terminals	Rising Cage, 2.5mm^2 max cable
Environmental	
Temperature	-10°C to +65°C Operating
Humidity	< 95% RH non-condensing
PC Communications	Custom Protocol

kWh and Demand Meters for use with *LOGi.t* Pulse Loggers

With ***Real Time*** analogue measurement, these Meters guarantee full Class 1 kWh accuracy even in the presence of distorted or intermittent waveforms such as those generated by variable speed drives, computers, lighting dimmers, temperature controllers etc. All feature a kW display to simplify and speed test & commissioning and allows the load to be checked at any time. Simple to install, safe and convenient to use and quick to commission.

PowerCube and *kWh Cube* DIN 96 x 96 Panel Mounting

PowerCube Demand Meter

Measures kW, kWh, MD & Peak MD Easy to see, with a high contrast giant backlit display that can be seen under all lighting conditions

kWh Cube kWh Meter

A cost-effective and highly functional Meter with dual kWh registers – one resettable and the other non-resettable. Easy to install with the kW display

PowerRail 303 and *PowerRail 323* DIN Rail Mounting

PowerRail 303 Measures kWh plus kW. Dual kWh registers – one resettable and the other non-resettable. 8 digit 9mm bold backlit display with full legends and a kW display.

PowerRail 323 Measures kW, kWh, Rolling and Peak Demand. 2 line 7 digit 7mm bold backlit display with full legends.

PowerRail 303-V Retro-fit kWh Metering Kit

A complete kit designed to simplify retro-fitting kWh meters onto an existing installation, supplied with 3 split-core Current Transformers settable to 50, 100 or 200 Amp.

- ***Easy to see*** High clarity backlit LCD, visible under all lighting conditions. This overcomes the small character size, poor visibility and short life of many electromechanical counters and provides the necessary legends (Wh, kWh, MWh) for maximum clarity
- ***Pulse output*** Single isolated output available. Pulse rate user settable
- ***Universal*** Suitable for 3ϕ 3 or 4 wire loads and single phase; user configurable from 1 Amp to 2000kA.; available for all LV and MV/HV systems
- ***Accurate*** kWh Class 1 BS EN 61036 and BS 8431, kW ±0.2%