

product **data**

DCU390-P - Portable Logger ***Asset Condition Monitoring Points, Track Circuits, Events***



The **DCU 390-P** has been designed for use in temporary remote condition monitoring or data logging applications for track assets and is part of the DCU390 family of loggers all of which have full NR product acceptance.

Designed for real life conditions the DCU390-P is supplied built in to a ruggedized weatherproof case with up to 10 hours battery life.

Designed to meet and exceed Network Rails current data logger standard (NR/L2/SIG/30036) and Intelligent Infrastructure Remote Condition Monitoring system (II-RCM-Interface-Spec).

Current in built applications are for point machine monitoring. Other configurations will be available soon.

The **DCU390-P** can be supplied with a set of current transformer clamps to suit the application.

- Each DCU390-P has 6 Analogues and 4 Digital inputs
- Inbuilt colour touch-screen display and indicators for inputs status, configuration and local diagnoses
- Historical data including traces can be reviewed on the LCD screen
- Trace comparison functionality built in
- Communication via GPRS
- Time synchronisation is through network servers or GPS receiver
- Up to 10 hours battery life
- Remote access software available



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DCU390-P Specification

Supply voltage:	110Vac
Supply current:	0.8A at 110Vac RMS
Battery backup supply:	Rechargeable, up to 10 hours, charger included
Operating Temperature:	-20 to +60°C
Electrical Isolation:	>4Mohm measured at 250Vdc to Earth.
Dimensions:	160 x 370 x 300mm (HxWxD) approx.,
IP Rating	IP66
Weight:	4.5kg
Memory:	64-256MB 266MHZ DDR SDRAM 128Mbytes - 1Gbytes Flash Disk
Inputs/Outputs:	6 analogue inputs, voltage or 4-20mA 4 isolated digital inputs Other configuration may be possible
Analogue Sample Rate:	Up to 1kHz per channel
Clock:	Real time clock with battery supply
Data Memory:	One internal SD Memory card for data backup
Controls and Indicators:	QVGA Colour touch screen LCD Status Leds
GPRS Modem	GPRS Class 10, PBCCH support, Coding Schemes: CS1 to CS4, Embedded TCP/IP Stack
Sensors Kits	Various current clamp transducers kits with extension leads can be supplied to suit the application
FI Part Number	I991644
Network Rail	0055/162705



DCUView

Remote display software

DCUView is a software package, which allows remote access to the logger to extract data, reprogram, and update configurations.

DCUConfig

DCU configuration software

DCUConfig is a software package allowing a configuration file to be created for a DCU Master or Slave Unit. This configuration file can then be uploaded to the Master or Slave unit either locally via a USB memory stick or remotely via FTP or DCUView. The configuration includes the Input Output map and also which asset types are being monitored. This allows replacement units to be easily re configured.



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