Data Strategy

Data Strategy has long specialised in delivering practical, real-world safety solutions for the hire industry. Our primary product, **QC-Check**, is the result of over two decades of development, and is designed to address the real operational challenges of electrical safety testing in hire environments.

What is QC-Check?

QC-Check is a fully integrated hardware and software solution for electrical safety testing and equipment compliance. It provides efficient PAT testing, cable inspection, and testing of RCD protected equipment, while meeting current industry safety standards.

QC-Check is highly adaptable to a wide range of testing specifications, supports specialist equipment, and integrates seamlessly with existing rental software to enhance compliance while improving workflow efficiency.

Who is QC-Check designed for?

It is ideal for rental companies requiring management of large volumes of equipment, venues that require routine compliance testing, and manufacturers needing test documentation for regulatory certification. QC-Check also consolidates PAT-4 and Cable testing into one place, saving you time and money by automating testing and reporting.

QC-Check Functional Process

QC-Check is a **safety inspection application** for all types of equipment and cables that records inspection results. When connected to Data Strategy's **PAT-4**, **Cab-5**, and **RCD-t** devices, it also performs **electrical (PAT), cable, and RCD testing.**

An inspection workstation consists of a computer on which QC-Check is active; the application (and SQL database) can be installed on a single computer for standalone operation or on a server for multi-user systems. Each instance of QC-Check can control one PAT-4 and multiple CAB-5's allowing electrical safety (PAT) testing to be combined with testing of cables.

- The **PAT-4** is supplied in **single phase** and **3-phase versions** with current ratings of 16, 32 or 125 amp. The unit carries out electrical safety tests consisting of the measurement of earth bond resistance (MBR) and insulation resistance (MIR). A functional test can also be applied to the EUT (Equipment Under Test).

- The **CAB-5** cable test module is connected to the CAB interface card installed in and controlled by the PAT-4. Each CAB-5 can test 5 cores of cable and up to 20 units can be daisy chained to test cables with up to 100 cores.   The cable cores are tested sequentially for continuity (with a load variable up to 25A) and for good insulation resistance.

- The **RCD-t** is an optional module that can be installed in the PAT-4. This provides the facility to test RCDs when used with QC-Check's Power-Check option.

QC-Check System Configurations

The **QC-Check workstation** is available in two variants: 16A single-phase and 32A 3-phase.
Even if the sole requirement is cable testing, the system will be based around the QC-Check software: one PAT-4 and a quantity of CAB-5s. Data Strategy can adapt the QC-Check workstation to the customer's needs; further information regarding customisation of connector layout and additions can be discussed during preliminary consultations.

Standard 1 or 2-bay 16A single-phase workstation, suitable for:
- Inspection of appliances for electrical safety (PAT)
- Cable testing comprising a check of the continuity and insulation resistance (typically cables with up to 18 cores, the number necessary to inspect a Socapex connector).

Standard 1 or 2-bay 32A 3-phase workstation, suitable for:
- All testing that can be carried out by the 16A single-phase workstation, as well as appliance testing of 32A equipment
- The addition of Power-Check, a QC-Check software/hardware module designed to inspect power distribution equipment protected by RCDs (distros).

Installation and training

The QC-Check workstation is delivered to the customer preconfigured, meaning it is fully calibrated and has all necessary software needed to plug in and go. Full remote support is provided upon purchase of the system, including full training and troubleshooting when necessary. Ongoing support is included in our software licensing package for QC-Check.

How does QC-Check maintain test accuracy?

VeriCal is a calibrated software and hardware solution developed by Data Strategy to verify that QC-Check workstations are operating within specification. Calibrated by a UKAS-accredited laboratory, **VeriCal** can be used on-site by any reasonably technically competent user via a guided, QC-Check-style application.

Will it integrate with our current RMS/hire software?

The short answer is yes**.** QC-Check has been optimised for integration with equipment hire systems. Various levels of integration have been implemented for the following applications: Navigator System's **HireTrack/NX**, **Rental Point**, **RTPro**, **EasyJob**, **inspHire**, **Flex**, **Current RMS** and a number of proprietary systems; additional third party systems will be added in the near future.
Where no integration is required the QC-Check import option allows data such as stock codes, descriptions etc. to be extracted from an Excel spreadsheet.

Can I continue to use my handheld/current tester while implementing the QC-Check software?

The **QC-Check** Inspection licence can be utilised to upload hand held results using Data Strategy's integration with **SimplyPATs** software package. **SimplyPats** connects a wide range of hand-held testers (in excess of 50 different models) to QC-Check's high-integrity database and test reporting environment.

What do industry professionals say about QC-Check

"It enables us to feel confident in the shows we're taking on, knowing safety obligations are met and the data is 100% accurate."

PRG (Production Resource Group):

"It integrates seamlessly with our stock control and HireTrack. It's justifiably worthwhile and gives us the edge over companies that don't test this way."

Pearce Hire

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