

QarVision™

Elevator Performance Analyzer

- Fewer callbacks
- Shorter service calls
- Better record keeping
- Go Green

QarVision™ is a remote diagnostic instrument that lets you monitor and evaluate your elevator from a distance of 1 foot to thousands of miles. It is a complete, independent system for tracking every trip your elevator makes, day in and day out.

QarVision™ stores all information about the history of the elevator's operation at the elevator, where it is instantly accessible to the technician, on site or from the office. Readings from the sensors over any time period can be easily compared to help detect trends. "Running on Arrival" situations are no longer a problem because QarVision™ can be left to watch the elevator 24/7. You get **fewer and less expensive callbacks**.

With QarVision™, you can be in "2 places at once". Acceleration and door actions can be monitored from the machine room while making adjustments. The operation of the drive system can be monitored while making test rides in the car. And all of these tests can be performed remotely over the Internet before going to the customer's site, giving you **shorter service calls**.



QarVision™ gives you **enhanced traceability and record keeping**. It maintains a complete history of every trip the elevator makes to verify incidents and provide a continual, independent audit of the elevator's performance.

Know what your elevator is actually **DOING**, not what the controller is telling it to do, from:

- inside the car
- the machine room
- your truck
- your office
- just about anywhere

Concerned about **saving energy**? QarVision can tell you exactly how much energy your elevator uses - trip by trip.

How do you know where you're going ... If you don't know where you've been?

QarVision™ is a remote troubleshooting system for elevator owners and technicians. It is independent of the elevator and its controller, enabling its use on any equipment, regardless of age or manufacturer. No modification to the elevator equipment is needed. QarVision™ is easy to install, and portable. Install it permanently, or just when you need it for that difficult job.

QarVision™ can run unattended for years before filling its memory, making it ideal for identifying intermittent problems. Depending on the elevator (hydraulic, traction, or rack-and-pinion), it detects and records:

- Date and time of every trip
- Acceleration/deceleration
- Motor current
- Motor temperature
- Hydraulic pressure
- Machine Room or Brake temperature
- Speed
- Door re-opens
- Door opening and closing times
- Number of door cycles
- Dwell time
- Number of trips
- Duration of trip
- Total running time
- Relay status
- Energy Usage



QarVision™ is unlike other test equipment. The sensing, control, decision making, and data recording functions are contained in a small, weatherproof box that can be placed on the floor or the top of the car. There is no control panel. Instead, you do everything from a remote device, like a handheld computer, phone, or laptop.

Our unique wireless design lets you perform tests and retrieve data without interfering with elevator service. Several different screens present the information that you need in a graphical, easy to learn form. We can even support different languages, including Japanese. And if you have special monitoring needs, we can customize the system for you.

QarVision™ uses WiFi wireless networking technology to link the units in the car and machine room, with the remote device. In most cases, this is sufficient for communication in your building. For longer range service, we can provide an optional cellular or DSL connection, enabling you to run the system from anywhere over the Internet. QarVision™ looks and works in exactly the same way, no matter where you are.

QarVision™ sends alerts and alarms by email or text message. It can also send daily email summaries, with information about usage times and trips.



Travel Summary



Visual Inspection



Current Readings



Acceleration

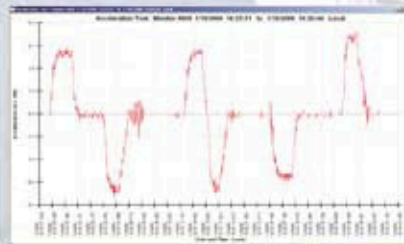


Speed



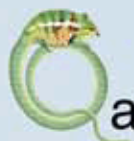
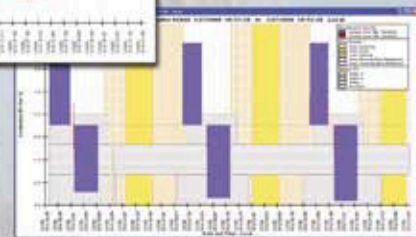
Controller Status

QarVision™ is a complete "end-to-end" system for evaluating your elevator's performance, from reading the sensors to analyzing the data in your office. All data captured in the elevator car or in the machine room can be wirelessly retrieved for analysis on a PC or laptop. Our EPM program lets you examine this data graphically, zoom in on details, and see exactly when things are happening. All information is stored in a database for record keeping and input to other programs. EPM generates summary reports, or you can create your own reports using a spreadsheet program.



Acceleration Graph

Trip by Trip Graph



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