Universal detector

The VV700 is a fully digital seismic detector using a microprocessor that gives 100% digital signal analysis. As the detector is programmed on site, it can be perfectly adapted to the environment and the application. With this new technology the detector allows for several different signal analysis programmes in the same hardware. This makes the V700 a fully universal detector suitable for all known applications such as safes, vaults, vault doors, ATM’s, Night Safe Deposit Boxes, weapon stores etc., without any compromises in detection ability.

Superior Detection

The seismic detector reacts to the characteristic vibration patterns of all breaking-and-entering tools, such as hammers, drills, diamond saws, hydraulic pressure tools and thermal tools like welding torch and thermal lance. It senses vibrations that occur with a 3 to 14 metre radius of where they are mounted, depending on the material and design of the protected object.

SCM 700 & VVI 740

The Seismic Configuration Manager 700 (SCM 700) is a Windows based software program for the programmable seismic detector VV700. The program is very easy to install on your laptop and will give you access to plenty of new and useful features such as background signal levels, verification of the detector settings, analysing software for on-site performance measurements etc. By using the configuration program the installer can choose from five pre-determined detector modes. Each program is tailored to a specific application. This will help you to make the most of the installation both in avoiding false alarms and having the highest performance when it comes to signal detection.

With the configuration cable VV740 you can communicate with the VV700 detector directly from your laptop. A serial communication port (RS232) is required on your laptop. The configuration cable VV740 is the only tool that the installer need during the actual configuration of the detector and can be used on all his VV700 detector installations.

Plug-in boards & accessories

The VV700 features a plug in connection for all transponders designed in accordance with the draft standard IEC 839-2. In this way the transponder is integrated into the housing of the detector and is easily installed without any cabling or separate housing for the transponder. Available plug-in boards from Aritech are the Form A relay board VVI 760 and the Form C relay board VVI 770. A complete range of accessories is provided for all kinds of applications to achieve the highest security.

The VV 700 protects any solid structure like safes, vaults, vault doors, ATM’s and night safe deposit boxes.
## Technical Data

### Operating data
- **Input power**: 9-15 V dc
- **Current consumption**
  - Standby mode: 7 mA (excl. plug-in board)
  - Active mode: 57 mA (excl. plug-in board)
- **Input/output**: Depending on plug-in board
- **Sensitivity adjustment**: 5 steps of 6 dB each
- **Range**: 3 to 14 m radius depending on material
- **Sabotage protection**: Drill shield, opening/pry-off contact, low/high voltage, low/high temperature

### Environmental data
- **IP class**: IP30 IK02
- **Operating temperature**: -20ºC to +55ºC
- **Relative humidity**: 90% at +30ºC

### Physical data
- **Dimensions**: 100 x 80 x 33 mm
- **Colour**: Gray, RAL 7035
- **Weight**: 395 g

## SCM 700

### Configuration window
By selecting a model in the «Application Setting» box you can perfectly adapt the VV700 to any application required. You can also change the sensitivity settings, test systems etc. in this window.

### SCM 700 Details
- **Plug-in boards**
  - VVI 760: Form A relay board
  - VVI 770: Form C relay board
- **Test system**
  - VT 705P: Test transmitter
  - VT 610P: Hand held tester
- **Accessories**
  - VM 600P: Mounting plate
  - VM 602P: Recess mounting box, wall
  - VM 603P: Weather protection box
  - VM 604P: Steel plate for tack welding
  - VM 606P: Cable insert for round conduit
  - VM 607P: Cable insert for double conduit
  - VM 611P: Floor mounting box
  - VM 651P: Movable mounting kit
  - VM 652P: Key-hole protection kit
  - VM 653P: 5mm spacer for VM652P
  - VM 654P: Armed cable kit
  - VM 655P: Tamper proof metal junction box

## SCM 700 Verify Window
Any seismic activity will be displayed for all activated channels in the Verify Windows. Verify your installation by manual applied vibrations.

The “Real time signal” bar shows the background signal level.