Water leak monitoring in buildings with sensitive electric and electronic equipment or valuables is today an elementary part of building supervision and guarding. If the recommendations in the “IT-Grundschutz” (information security) catalogue are followed, server rooms can be monitored reliably for the detection of water leaks in the cooling systems. The BARTEC water leakage detection systems are used for the surveillance of rooms, piping and individual items. Each leakage is detected with metre accuracy and reported directly in the building surveillance. This ensures that the location of the leakage can be found quickly so that countermeasures can be introduced immediately. The sensor cable and point sensors can be combined at will. The monitoring electronics are available with or without locating. System calibration is not required. In addition, a line-break monitoring is integrated into each system.

**Fields of application**
Computer centres, telephone exchanges, libraries, museums, archives, book stores, clean air rooms, air-conditioning and heating centres, etc.

- Surfaces  
  double floors above or below computer equipment
- Piping  
  heating cables, process cables
- Individual  
  items drip pans

**System components**
- Sensor  
  SCR sensor cable, PS, PSO+ and PSO Point Sensor
- Monitoring  
  RLW with locating as a wall-mounted enclosure  
  RLA™ with locating for installation in the control cabinet or as a wall-mounted enclosure  
  RDW 03 without locating as a wall-mounted enclosure  
  RDA 01 without locating for installation in the control cabinet

**Conductive measurement principle**
The BARTEC water leakage detection systems detect leakages of electrically conductive liquids quickly and reliably. The measuring circuits work with AC voltage, which allows a permanent avoidance of galvanic processes at the electrodes.

**Optical measurement principle**
The PSO+ and PSO Point Sensor detect also electrically non-conductive liquids.