ESSER
by Honeywell

The perfect all-round tool: tools 8000

Programming and service software for alarm systems

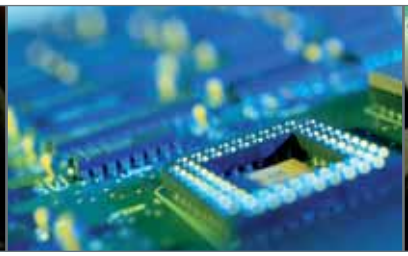
▶ Fire detection technology

The circle is complete: programming from installation to maintenance – tools 8000

More and more complex features and functions are evidence of the increased performance of today's alarm systems. Nevertheless, the challenge lies in making these units conveniently operable – with minimal installation and maintenance cost. The basic requirements for an efficient programming and service software are clearly defined: intuitive operability, programming independent of place and time, as well as the integration of existing records.

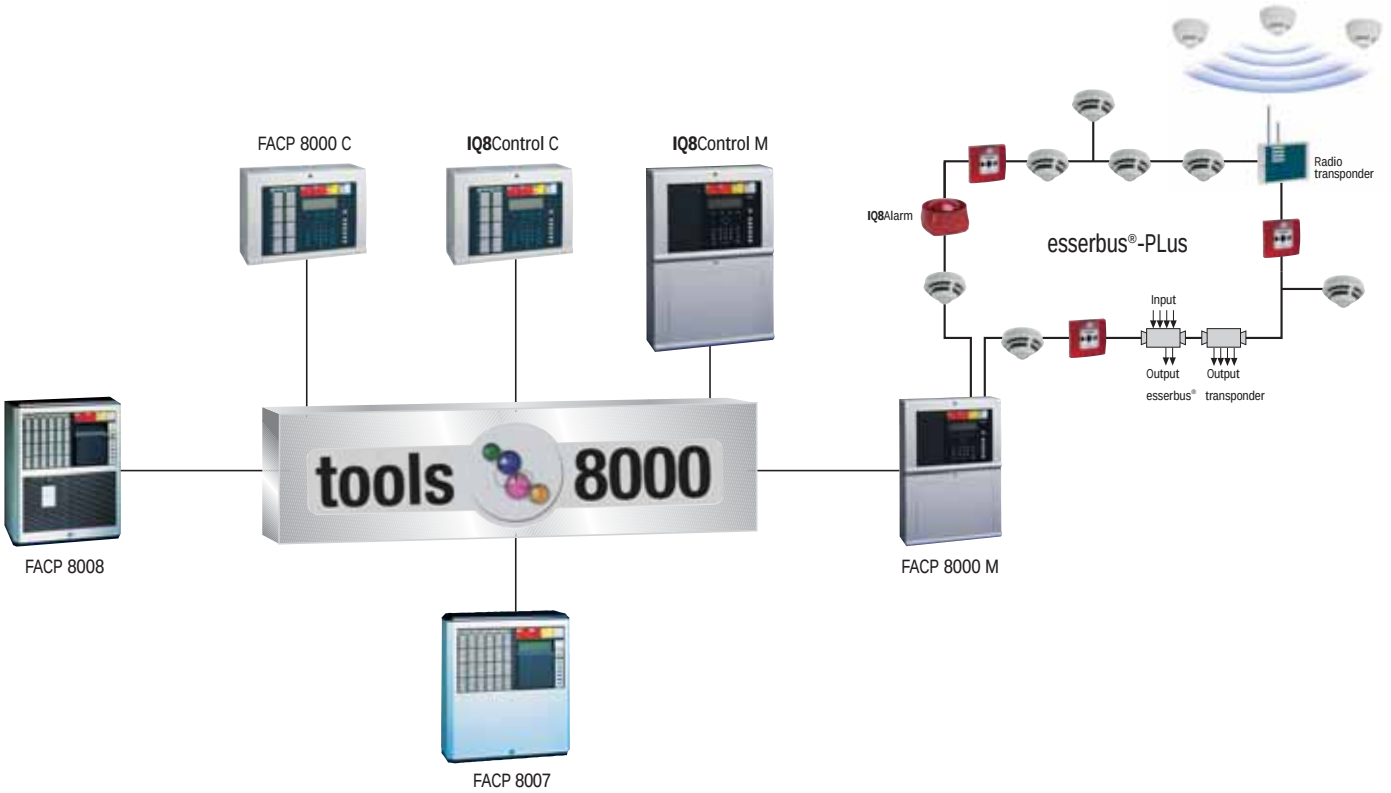
ESSER accommodates these demands with the programming and service software tools 8000: installation, configuration and diagnosis on a standard and user-friendly graphic interface – comfortably and simply via your PC.






Transparency is pre-programmed: high functionality and easy menu navigation

Today, modern fire alarm control panels fulfil various and complex tasks which demand programming and specialized competence from installers and maintenance personnel.
The tools 8000 user interface offers specialists the possibility of configuring object-related requirements in a menu-navigable and transparent way. Here, the concept of programming software encompasses far more than the start-up functions: with tools 8000, the configured desired state of a fire alarm control panel which is already in operation can be checked and recovered at any time. tools 8000 offers a broad spectrum of functions for system service and optimization – from maintenance – including user-friendly event log – to preventative field strength measurement of radio components.



tools 8000 programs the entire system. One single adapter forms the interface to the fire alarm control panels and to the direct connection to the ring bus. The software also enables the connection to older generation control units: tools 8000 is downward compatible, and can be used in connection with the FACP 8007, 8000 C/M, 8008 and **IQ8**Control C/M.

Four in one: tools 8000

The technological developments of years gone by in the area of fire protection (i.e. decentralized intelligence, integration of multisensor technology in one fire detector) may have opened a variety of possibilities, but they have also set higher demands on the checking of functionality in modern fire detection and controller elements.

ESSER accommodates this demand with the programming and service software tools 8000. It complements the **IQ8**System and accompanies an alarm system through all of its life cycle phases. The range of performance of the new tool thereby goes far beyond programming and system service.

Start-up

- Check an already-established installation
- Identification of the installed bus devices
- Comparison of desired state and actual state
- Graphic display of the identified terminals
- Visualization of networked fire alarm control panels

Programming

- Detector and group allocation
- Event-related controls
- Time delays / timer controls
- Object-related additional texts
- Area formations
- Flexible programming of different alarm signals

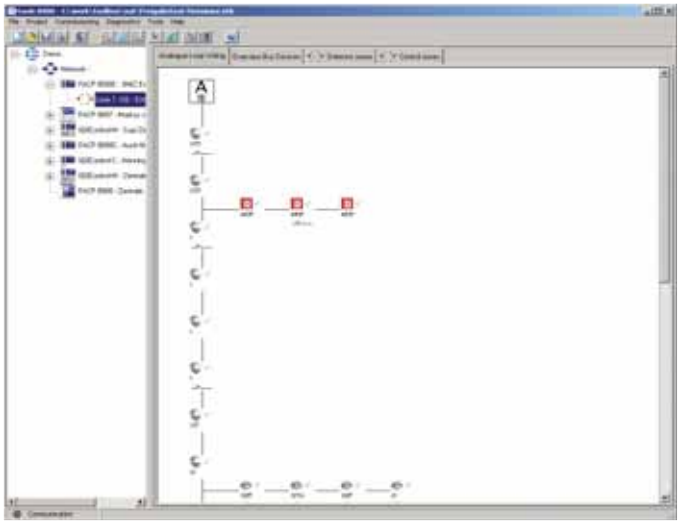
Loop diagnosis

- Request of detector functionality
- Read-out of stored detector readings
- Service request
- Test function for control outputs on transponders
- Retrieval of external transponder inputs
- Diagnosis in the case of disconnection or short circuiting

Maintenance / servicing

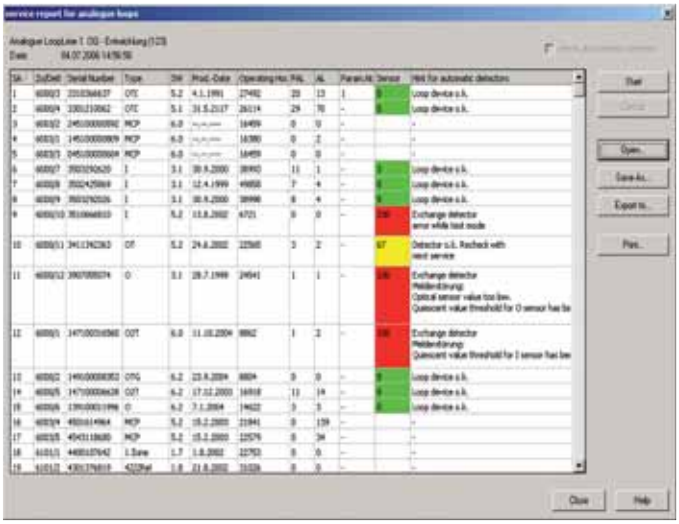
- Data retrieval of individual automatic fire detectors
- Retrieval of detector status via service indicator (course of the temporary contaminants)
- General information on detector (hours of operation, pre-alarm warnings, alarms)
- Log according to DIN VDE 0833 Part 1 and DIN 14675
- Environmental measuring for determination of deceptive alarm phenomena

Graphic representation



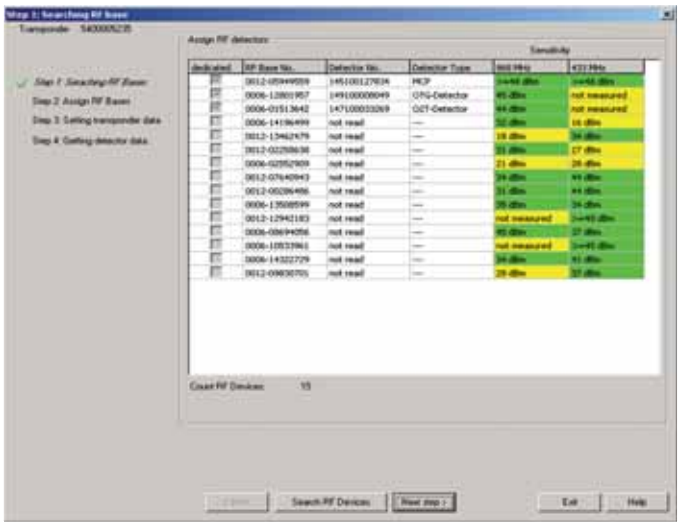
After all bus devices have been read, the convenient graphics display of the installation conveys an initial overview: the pictorial representation of individual devices with accompanying serial numbers enables an initial comparison to assembly and installation plans.

Detector status indicator



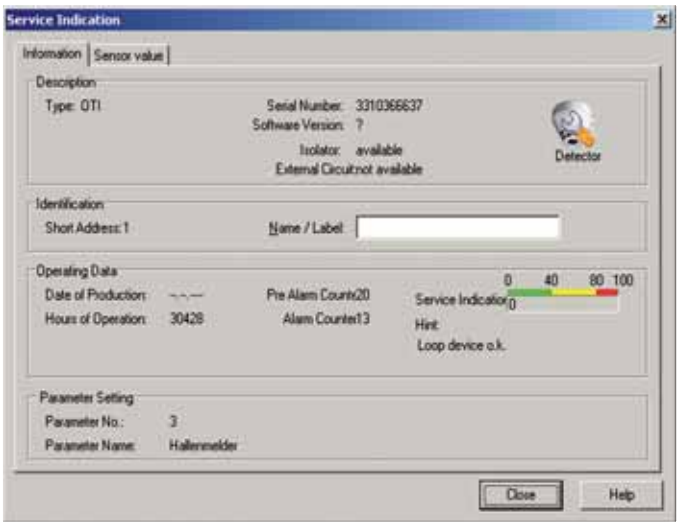
During maintenance work, the service indicator for a complete loop facilitates the assessment of the detector status by distinctively colored indicators in the three traffic light colors: red, yellow and green. Additionally, a value between 0 and 100 documents the temporal course of the contaminant.

RF field intensity measurement



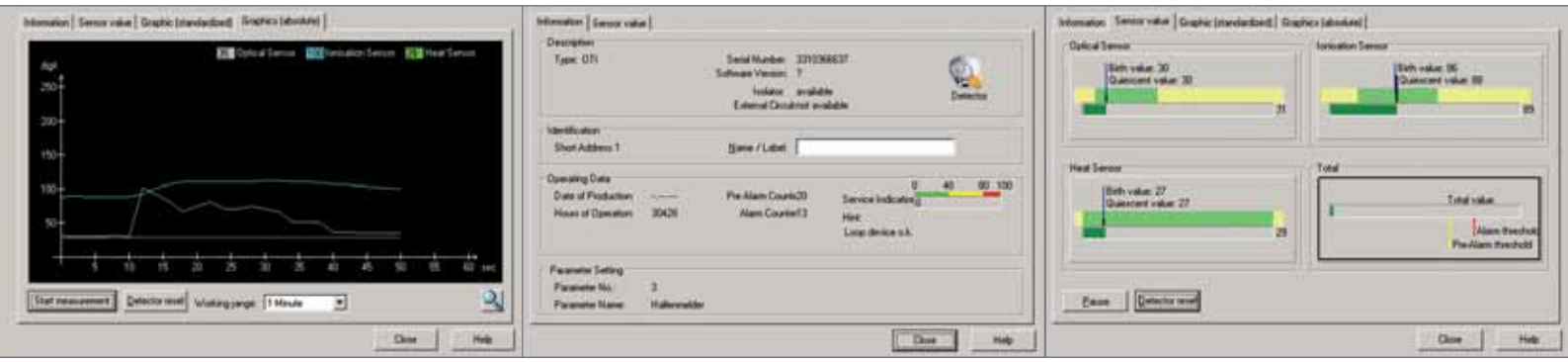
The appropriate installation site for radio components can be easily determined by field intensity measurements. All radio transponder devices are evaluated and indicated using the three traffic light colours for the suitability of installation. Additional measurements in dB of each radio base is displayed. This allows for the perfect positioning of the individual radio detector.

Reference value display



This service indicator reproduces detector-related reference values which visualize the actual state of the detector during maintenance. In addition to displaying operating hours, pre-alarm warnings and alarms of this special detector, a value for on-going contamination is also given in the form of a graphic representation. A corresponding commentary additionally describes the detector status.

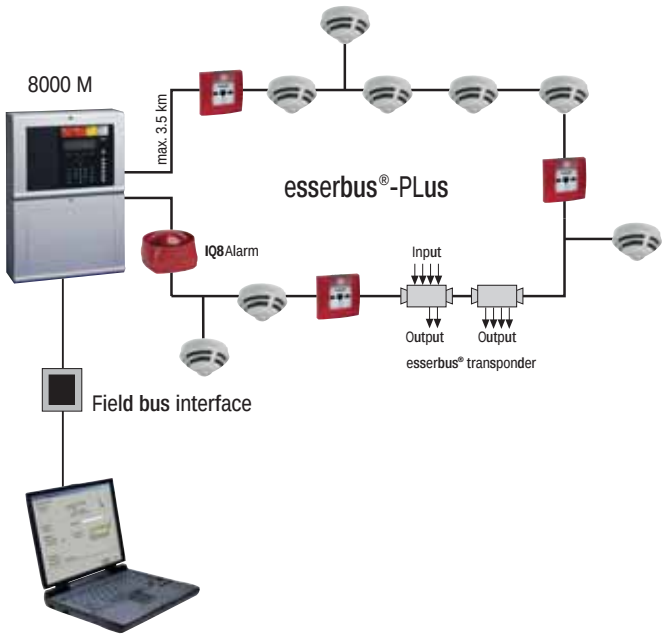
Concept with foresight: control and maintenance of fire alarm systems



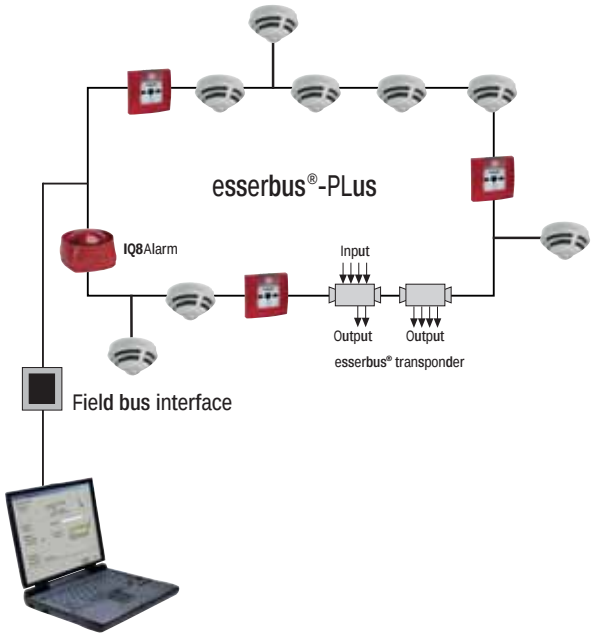
The visual representation of all measured values simplifies configuration, diagnosis and maintenance

tools 8000 offers diverse functions which simplify the maintenance and servicing of fire alarm systems. One example: today's intelligent fire detectors regularly show the degree of contamination per self-diagnostics. However, no reliable statement as to the actual functionality can be made on this basis. The status indicator only describes the deviance from the normal state according to VdS-standard criteria. tools 8000 measures current values of the fire detectors and compares them with the approved values.

This is made possible by a field bus interface which the installer can use to read the data of the connected detector – directly via the fire alarm control panel or per direct connection to the loop. This test procedure enables the maintenance personnel to reliably check the fire detector sensors and to determine if reliable detection can still be guaranteed. The high DIN 14675 requirements can be met in this way, which can extend the fire detector's possible operating time significantly.

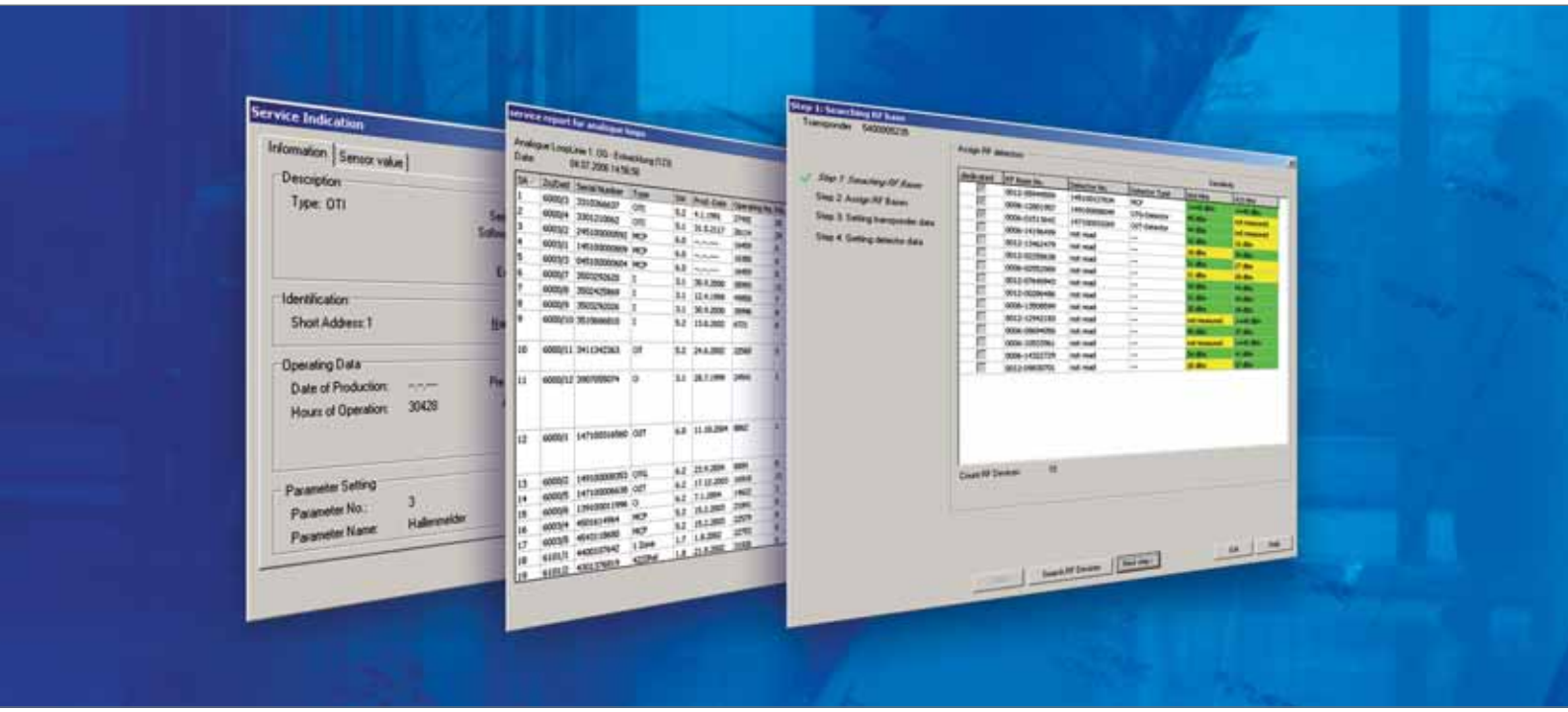


Function test via FACP



Function test at ring bus

Full service via the software



As effective as necessary, as easy as possible: using the "what you see is what you get" principle, tools 8000 shows the control panel's original view on the screen. All system components are graphically displayed via the standard user interface and are configurable with a click of the mouse. The integrated online help quickly leads to the desired result, should you ever need help despite the intuitive operability.

Yet another additional feature is the easy creation and printing of commissioning records.

tools 8000 – with field bus/panel interfaces – works with all Windows operating systems.

- Standard graphic interface
- Field bus/panel interface
- Creation and printing of commissioning records
- Online help menu
- Suitable for all standard Windows operating systems
- User-friendly context navigation

Ordering information:

Original Equipment Package tools 8000	789860
Software tools 8000 (CD-ROM)	789861
Field Bus/Panel Interface	789862
USB Cable	789863
Control Panel Cable	789864

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Art. No. 797980.G0
July 2006
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