

PD-800 Personal Logging System

Product Description



At ESD test stations, the results of the personal tests are to be stored and archived. This happens at many test stations over handwritten entries in lists and therefore costs time. The archiving of these lists requires paper, effort and also time. The PD-800 acquisition system takes care of the complete acquisition and archiving and can be connected to almost every personal tester via the potential-free signal inputs.

Document the results of your personal tests paperless and save time!

1. Identification

Integrated RFID reader with LF 125kHz and HF 13.56 MHz dual antenna technology. This makes many existing RFID chipsets and transponders legible. These transponders, usually in card form, can be connected to a PD-800 with a name or personnel number.

Chip	Frequeny	UID	Manufacturer
Hitag 1	125 kHz	4 Byte	NXP
Hitag 2	125 kHz	4 Byte	NXP
EM4XXX	125 kHz	5 Byte	EM-Marin
Mifare Ultralight	13.56 MHz	7 Byte	NXP
Mifare Classic	13.56 MHz	4 Byte	NXP
Mifare Classic	13.56 MHz	7 Byte	NXP
Mifare Plus	13.56 MHz	7 Byte	NXP
Mifare DESFire	13.56 MHz	7 Byte	NXP
Tag-it	13.56 MHz	10 Byte	TI

These transponder types are already integrated in the PD-800. If your chipset is not listed, or you do not know the type you are using, please just send us your transponder. We are happy to check if your cards and tags can work together with the PD-800.

The PD-800 records the personal data in its transponder memory:

- Transponder ID
- Name and/or Personnel Number (optional)
- Expiry Date
- Activation time

2. Digital archiving of personal tests

The PD-800 recognizes the personal test result via one of the four relay inputs and stores it in its motion memory after personal identification. The transaction data is stored in a ring buffer:

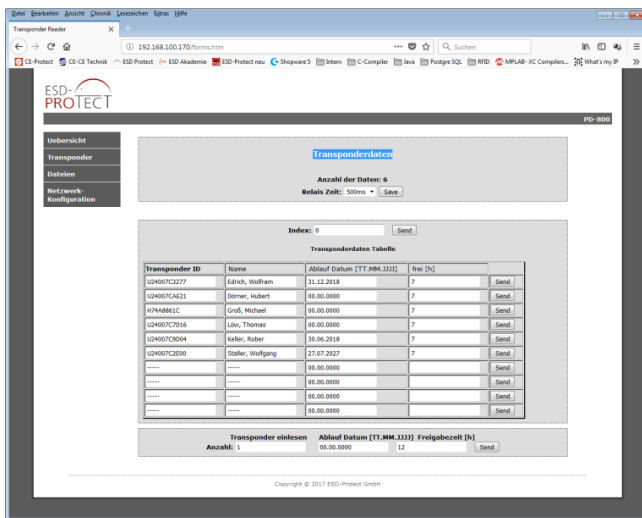
- Transponder ID
- Date
- Time
- Status ESD personal check

3. Access control

After successful signal input (shoe and / or wrist test station), the PD-800's microcomputer will enable up to 3 access controls, turnstiles or doors.

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4. Free transit time and time limit

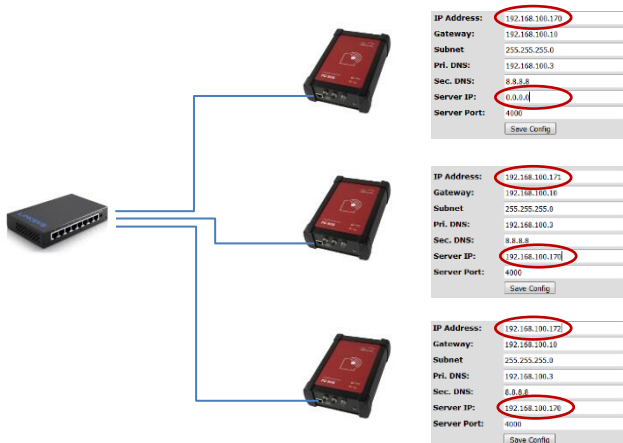


Each employee can be given a valid qualification or a time limit as a date stamp. The PD-800 checks this expiration date (or valid qualification).

One-time daily exams are also possible with the PD-800. A free transit time (from 0-255 hours) can be assigned to each employee.

This makes it possible to complete only one daily ESD personal test. For all subsequent runs, no tests are necessary until a freely definable period of time.

5. Several areas or test stations



Multiple test stations or different access areas?

No problem, the PD-800 system can also be cascaded over the network as a master-slave system in conjunction with several PD-800 systems.

In this case, all data is stored and managed only on the defined master. All connected slaves use the transponder data from the master and also store the transaction data on the PD-800 master.

6. File Import/Export

G	H	I	J
Datum	Uhrzeit	Transponder UID	Statu
09.04.2018	10:45	U24007C3277	G
09.04.2018	10:45	U24007C3277	G
09.04.2018	10:45	U24007C3277	G
09.04.2018	10:45	U24007C3277	G
09.04.2018	10:51	U24007C3277	G
09.04.2018	11:13	U24007C3277	G
09.04.2018	11:40	U24007C3277	G
09.04.2018	11:42	U24007C3277	G
09.04.2018	12:13	U24007CAE21	G
09.04.2018	12:13	H74A8861C	G
09.04.2018	12:13	U24007CAE21	G
09.04.2018	12:13	H74A8861C	G

The **Transaction** data (LOG file) is saved in separate columns according to date and time. Thus, sorting and table maintenance remains simple and clear - regardless of whether the data is stored in Excel or an SQL database. For privacy reasons, no names are stored here (optional).

	A	B	C	D	E
1	Nr.	Transponder UID	Name	Ablaufdatum	Freigabezeit
2	0	U24007C3277	Edrich, Wolfram	31.12.2018	9
3	1	U24007CAE21	Dörner, Hubert	00.00.0000	1
4	2	H74A8861C	Groß, Michael	00.00.0000	1
5	3	U24007C7D16	Löw, Thomas	00.00.0000	1
6	4	U24007C9D04	Keller, Rober	30.06.2018	1
7	5	U24007C2E00	Staller, Wolfgang	27.07.2027	1

The **Transponder** data (Transponder file) can be exported via the exchange format (CSV) to Excel. All data can be added, changed or deleted. Then the edited data can be imported back to the PD-800.