



Manual for data registration unit SchermerLogger



Brief instruction for putting into service of SchermerLogger

1. Please look at the HELP function of the NewLogger software on the USB-flash drive for information on the software. Connect the USB-flash drive to a PC, open data file NewLogger, then open data file Test_01m and follow the advises of the HELP function.
2. If applicable assemble the SchermerLogger to the stunning transformer (see appendix I).
3. Connect SchermerLogger to the TEST PORT of the stunning transformer. Store blind plug safely, as it has to be reconnect to the TEST PORT if you disconnect the SchermerLogger. Otherwise the stunning transformer will not work.
4. Connect SchermerLogger to mains.
5. SchermerLogger boots up, after a short while the information Logger Ready flashes up in the lowest line. SchermerLogger is ready for use.
6. The colours of the display and the sounds have the following meanings:

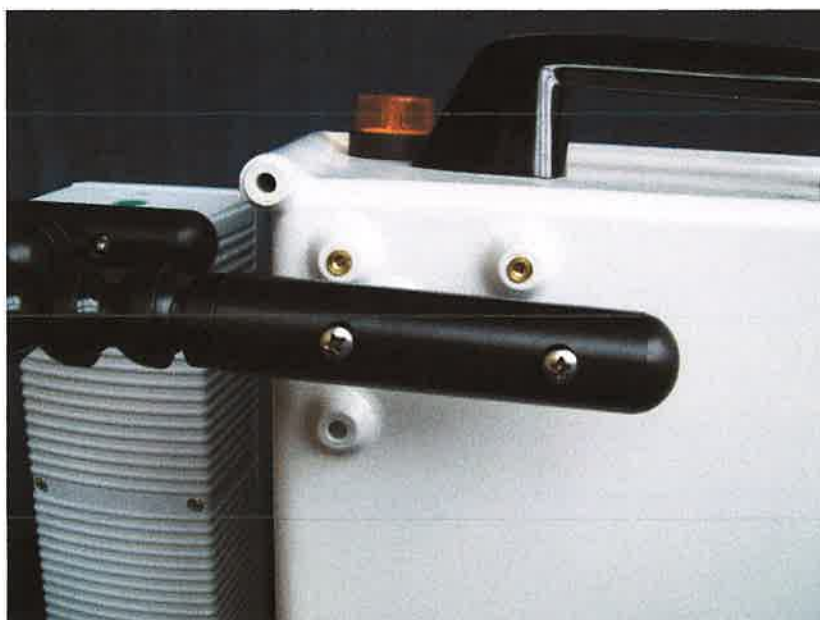
green:	recording unit is ready for use
green + sound:	last stunning process was correct
red (+ sound):	the actual values of the last stunning process were smaller than the reference values
orange:	stunning process is executed
orange + sound:	minimum stunning time has been achieved
colour change:	no USB-flash drive is connected

7. The following values are shown in the display:
 1. line: actual value of stunning current J and stunning voltage U
 2. line: current frequency at the 1. second and at end of stunning process and actual value of the stunning time
 3. line: stunning current J_i (at the point of the 1. second) and reference value j_s
stunning time T_i (duration of last stunning process) and reference value t_s
the display is changing every second
 4. line: alternating indication of time, date, internal temperature and system status

Appendix I



SchermerLogger assembled to the stuning transformer



Assembly of the SchermerLoggers on the back side of the stuning transformer

Appendix II



wall holder (accessory)

SchermerLogger test stuns

Nr.	Amps(min)	Time(min)	StunAmps	StunTime	Stun Voltage	ErrorAmps	ErrorTime	ErrorSum	Time	Date
1	1.3 A	4 s	1.5 A	05 s	219 V	0	0	0	09:49:31	13/10/2016
2	1.3 A	4 s	1.5 A	06 s	219 V	0	0	0	09:49:44	13/10/2016
3	1.3 A	4 s	1.5 A	00 s	219 V	0	1	1	09:49:53	13/10/2016
4	1.3 A	4 s	1.5 A	02 s	218 V	0	2	2	09:50:04	13/10/2016
5	1.3 A	4 s	1.5 A	06 s	217 V	0	2	2	09:50:14	13/10/2016
6	1.3 A	4 s	1.5 A	05 s	217 V	0	2	2	09:50:23	13/10/2016
7	1.3 A	4 s	1.0 A	05 s	306 V	1	2	3	09:50:32	13/10/2016
8	1.3 A	4 s	1.0 A	06 s	307 V	2	2	4	09:50:42	13/10/2016
9	1.3 A	4 s	1.5 A	06 s	217 V	2	2	4	09:50:52	13/10/2016
10	1.3 A	4 s	1.5 A	06 s	216 V	2	2	4	09:51:02	13/10/2016
11	1.3 A	4 s	1.0 A	02 s	307 V	3	3	5	09:51:08	13/10/2016
12	1.3 A	4 s	1.0 A	04 s	306 V	4	3	6	09:51:16	13/10/2016
13	1.3 A	4 s	1.0 A	02 s	307 V	5	4	7	09:51:22	13/10/2016
14	1.3 A	4 s	1.0 A	02 s	307 V	6	5	8	09:51:31	13/10/2016
15	1.3 A	4 s	1.5 A	06 s	216 V	6	5	8	09:51:41	13/10/2016
16	1.0 A	4 s	1.0 A	05 s	149 V	6	5	8	09:57:27	13/10/2016
17	1.0 A	4 s	1.0 A	05 s	149 V	6	5	8	09:57:36	13/10/2016
18	1.0 A	4 s	1.0 A	02 s	149 V	6	6	9	09:57:42	13/10/2016
19	1.0 A	4 s	1.0 A	01 s	149 V	6	7	10	09:57:48	13/10/2016
20	1.0 A	4 s	1.0 A	05 s	149 V	6	7	10	09:57:58	13/10/2016
21	1.0 A	4 s	1.0 A	04 s	149 V	6	7	10	09:58:05	13/10/2016
22	1.0 A	4 s	1.0 A	05 s	306 V	6	7	10	09:58:15	13/10/2016
23	1.0 A	4 s	0.9 A	05 s	304 V	7	7	11	09:58:28	13/10/2016
24	1.0 A	4 s	0.9 A	01 s	304 V	8	8	12	09:58:39	13/10/2016
25	1.0 A	4 s	0.9 A	03 s	303 V	9	9	13	09:58:47	13/10/2016
26	1.0 A	4 s	1.0 A	05 s	149 V	9	9	13	09:58:56	13/10/2016
27	1.0 A	4 s	1.0 A	06 s	148 V	9	9	13	09:59:05	13/10/2016
28	1.8 A	8 s	1.9 A	09 s	271 V	9	9	13	10:02:51	13/10/2016
29	1.8 A	8 s	1.9 A	09 s	271 V	9	9	13	10:03:06	13/10/2016
30	1.8 A	8 s	1.9 A	06 s	269 V	9	10	14	10:03:16	13/10/2016
31	1.8 A	8 s	1.9 A	03 s	268 V	9	11	15	10:03:24	13/10/2016
32	1.8 A	8 s	1.9 A	09 s	269 V	9	11	15	10:03:37	13/10/2016

SchermerLogger test stuns

33	1.8 A	8 s	1.0 A	08 s	305 V	10	11	16	10:03:48	13/10/2016
34	1.8 A	8 s	0.9 A	10 s	302 V	11	11	17	10:04:01	13/10/2016
35	1.8 A	8 s	0.9 A	06 s	301 V	12	12	18	10:04:13	13/10/2016
36	1.8 A	8 s	0.9 A	02 s	302 V	13	13	19	10:04:20	13/10/2016
37	1.8 A	8 s	1.9 A	09 s	269 V	13	13	19	10:04:34	13/10/2016
38	1.8 A	8 s	1.9 A	09 s	268 V	13	13	19	10:04:46	13/10/2016
39	1.2 A	2 s	1.3 A	03 s	189 V	13	13	19	10:06:58	13/10/2016
40	1.2 A	2 s	1.3 A	02 s	189 V	13	13	19	10:07:04	13/10/2016
41	1.2 A	2 s	1.0 A	05 s	304 V	14	13	20	10:07:16	13/10/2016
42	1.2 A	2 s	0.9 A	02 s	303 V	15	13	21	10:07:23	13/10/2016
43	1.2 A	2 s	1.3 A	04 s	189 V	15	13	21	10:07:37	13/10/2016
44	1.2 A	2 s	1.3 A	03 s	188 V	15	13	21	10:07:43	13/10/2016
45	1.2 A	2 s	0.9 A	04 s	303 V	16	13	22	10:07:53	13/10/2016
46	1.2 A	2 s	0.9 A	03 s	303 V	17	13	23	10:08:01	13/10/2016
47	1.2 A	2 s	0.9 A	01 s	303 V	18	14	24	10:08:08	13/10/2016
48	1.2 A	2 s	0.9 A	00 s	303 V	19	15	25	10:08:15	13/10/2016
49	1.2 A	2 s	1.3 A	05 s	189 V	19	15	25	10:08:24	13/10/2016
50	1.2 A	2 s	1.3 A	03 s	188 V	19	15	25	10:08:30	13/10/2016

different limit values:

animal 1-15: IBmin=1.3 A and TBmin=4 sec

animal 16-27: IBmin=1.0 A and TBmin=4 sec

animal 28-38: IBmin=1.8 A and TBmin=8 sec

animal 39-50: IBmin=1.2 A and TBmin=2 sec

SchermerLogger test stuns

File	Nr.	ErrorAmps	ErrorTime	ErrorSum	% Error	StunFrequ.	Date
20161013.txt	50	19	15	25	50	327 / 49 Hz	13/10/2016