

⇒ Description

Software Package ELMA is dedicated for electricity meter testing and calibration. The package contains routines for control of hardware, data acquisition, evaluation of measurements, meter data exchange, output of documents, data archiving, data analyses and system maintenance.

⇒ Highlights

- User friendly programs for Microsoft Windows
- Network support in distributed systems: client / server communication with central database via any type of computer network

Control Program ELMA

- Multilingual user interface with predefined and user definable dictionaries enables immediate national and regional implementation
- Simple switch of display format from global characteristics of the process to detailed results on any meter
- Simple input of meter parameters, user defined tests, sequences, addresses and user friendly operations with respective databases
- User defined test limits with support of IEC standards and local regulations
- Graphic representation of measurement results, deviations and curves
- Free defined output documents for Microsoft Office
- Support of mobile terminals for manual or barcode data acquisition
- Possibility of any harmonic content definition in measuring power signals
- Support of data exchange with electronic meters
- Simultaneous test of meters with different constants

Archive Program ARCHIVER

- Evaluation of archives
- Sorting and printing according to various criteria

Software Package ELMA

Complete software package for electricity meter testing and calibration



Control Program ELMA

Archiver

System Configuration Database Help

Meters (17/2165)

Serial Number: 550900 Type: Date: 03.02.2014 Protocol No.:

Serial Number	Type	Date	Protocol No.	Result (1/0)	Position	Station	Name 1	Name 2	Note	Owner	Inv. Number
1	55090025	3 phase 80/160	22.01.2013	ELMA 1-20130122-27	1	1	Person 1	Person 2	EF 899		
2	55090044	3 phase 80/160	22.01.2013	ELMA 1-20130122-27	0	2	Person 1	Person 2	EF 899		
3	55090041	3 phase 80/160	22.01.2013	ELMA 1-20130122-27	1	3	Person 1	Person 2	EF 899		
4	55090038	3 phase 80/160	22.01.2013	ELMA 1-20130122-27	1	4	Person 1	Person 2	EF 899		
5	55090042	3 phase 80/160	22.01.2013	ELMA 1-20130122-27	1	5	Person 1	Person 2	EF 899		
6	55090039	3 phase 80/160	22.01.2013	ELMA 1-20130122-27	1	7	Person 1	Person 2	EF 899		
7	55090031	3 phase 80/160	22.01.2013	ELMA 1-20130122-27	1	8	Person 1	Person 2	EF 899		
8	55090034	3 phase 80/160	22.01.2013	ELMA 1-20130122-27	1	9	Person 1	Person 2	EF 899		
9	55090026	3 phase 80/160	22.01.2013	ELMA 1-20130122-27	1	10	Person 1	Person 2	EF 899		
10	55090043	3 phase 80/160	21.01.2013	ELMA 1-20130121-26	1	1	Person 1	Person 2	EF 898		
11	55090033	3 phase 80/160	21.01.2013	ELMA 1-20130121-26	1	2	Person 1	Person 2	EF 898		
12	55090037	3 phase 80/160	21.01.2013	ELMA 1-20130121-26	1	3	Person 1	Person 2	EF 898		
13	55090040	3 phase 80/160	21.01.2013	ELMA 1-20130121-26	1	4	Person 1	Person 2	EF 898		
14	55090036	3 phase 80/160	21.01.2013	ELMA 1-20130121-26	0	7	Person 1	Person 2	EF 898		
15	55090030	3 phase 80/160	21.01.2013	ELMA 1-20130121-26	1	8	Person 1	Person 2	EF 898		
16	55090035	3 phase 80/160	21.01.2013	ELMA 1-20130121-26	1	9	Person 1	Person 2	EF 898		

Tests (17)

No.	Code	Name	Type	U [%]	I [%]	Tariff	Result (1/0)	Value	Uncertainty	Limit [%]	#2	#3	#4
1	SN	Serial Number	3	0	0	1	1	55090025	0	0	0	0	0
3	UT001	User Text1 (CCC Number)	9	0	0	1	1	CCC 1087609	0	0	0	0	0
5	a100	100% lb. UPF	1	100	99.98	1	1	-0.087	0.058	2	0	0	0
6	a005	5% lb. UPF	1	100	5	1	1	-0.214	0.061	2	0	0	0
7	a010	10% lb. UPF	1	100	25	1	1	-0.172	0.058	2	0	0	0
8	a010_05La	10% lb. 0.5 LAG	1	100	10	1	1	-0.261	0.058	2	0	0	0
9	a010_08Le	10% lb. 0.8 LEAD	1	100	10	1	1	-0.149	0.058	2	0	0	0
10	a020	20% lb. UPF	1	100	50	1	1	-0.122	0.058	2	0	0	0
11	a020_05La	20% lb. 0.5 LAG	1	100	20	1	1	-0.186	0.058	2	0	0	0
12	a020_08Le	20% lb. 0.8 LEAD	1	100	20	1	1	-0.109	0.058	2	0	0	0
13	a100_05La	100% lb. 0.5 LAG	1	100	100	1	1	-0.318	0.064	2	0	0	0
14	a100_08Le	100% lb. 0.8 LEAD	1	100	100	1	1	-0.138	0.061	2	0	0	0
15	amax	Imax, UPF	1	100	100	1	1	-0.387	0.064	2	0	0	0
16	amax_05La	Imax, 0.5 LAG	1	100	100	1	1	-0.919	0.064	2	0	0	0
17	amax_08Le	Imax, 0.8 LEAD	1	100	100	1	1	-0.397	0.061	2	0	0	0
18	mnl	No Load	2	100	0	1	1	1	0	0	0	0	0
19	mnc1	Starting Current	2	100	1	1	1	1	0	0	0	0	0

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Archiver Program ARCHIVER