ZES ZIMMER
Electronic Systems

TERM-L5 Software for Data Logging and Configuration of the LMG Power Meters

Power Measurement and Long Term Data Logging

ZES ZIMMER Software TERM-L5:

- Comfortable configuring of LMG power meters
- Long term data logging of precision power measurements
- Access to captured values via LAN while logging
- Real time visualisation of measurements
- Capturing transients
- Back up power supply

ZES ZIMMER Power Meters and Long Term Data Logging with TERM-L5

Measuring

LMG95
1 Phase Power Meter
Precision range DC-50kHz
Basic accuracy 0.03%
Voltage ranges 6-600V (directly)
Current ranges 150mA-20A (directly)

or

LMG450
4 Channel Power Meter
Precision range DC-20kHz
Basic accuracy 0.1%
Voltage ranges 6- 600V (directly)
Current ranges 150mA-16A (directly)

or

LMG500
1-8 Channel Power Meter
Precision range DC-5MHz
Basic accuracy 0.03%
Voltage ranges 6-1000V (directly)
Current ranges 20mA-32A (directly)

Logging

NDL5 operation

Ethernet

Standalone data logging
(PC only neccessary to configure, to view and export data)

or

PC operation

Configuring, recording and evaluating data

Features	Description	NDL5 operation	PC operation
Remote configuration of power meter	Full configuration of power meter including programming formula/script editor. For NDL5 operation the configuration is saved in NDL5.	✓	✓
Setting of start and stop time	Start and stop times of data logging are settable. Logging can also be synchronised with the digital inputs of LMG.	✓	✓
Continuous logging	Simultaneous data logging with a settable resolution 50ms up to 1h	✓	✓
Stepwise logging	Logging of data is manually controlled		✓
Saving of sampling values	Transferring and saving sampling values both in continuous and stepwise mode with settable trigger conditions	✓	✓
Visualisation	The measured values can be presented in six plot windows		✓
Splitting of the data volume	The measured values are saved in files with definable size or record duration	✓	✓
Data evaluation	Saved ASCII data can be processed by means of customary software tools (MS Excel, Matlab etc.)	✓	✓
Connection to a computer network	Recorded data are available via LAN during logging, too	✓	
Back up power supply	The back up system supplies the measuring and logging units during voltage breaks up to 15 minutes	✓	

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ZES ZIMMER Electronic Systems GmbH
Tabaksmühlenweg 30, D-61440 Oberursel/Ts.
Tel. ++49 6171 628750 Fax ++49 6171 52086
http://www.zes.com e-mail: sales@zes.com