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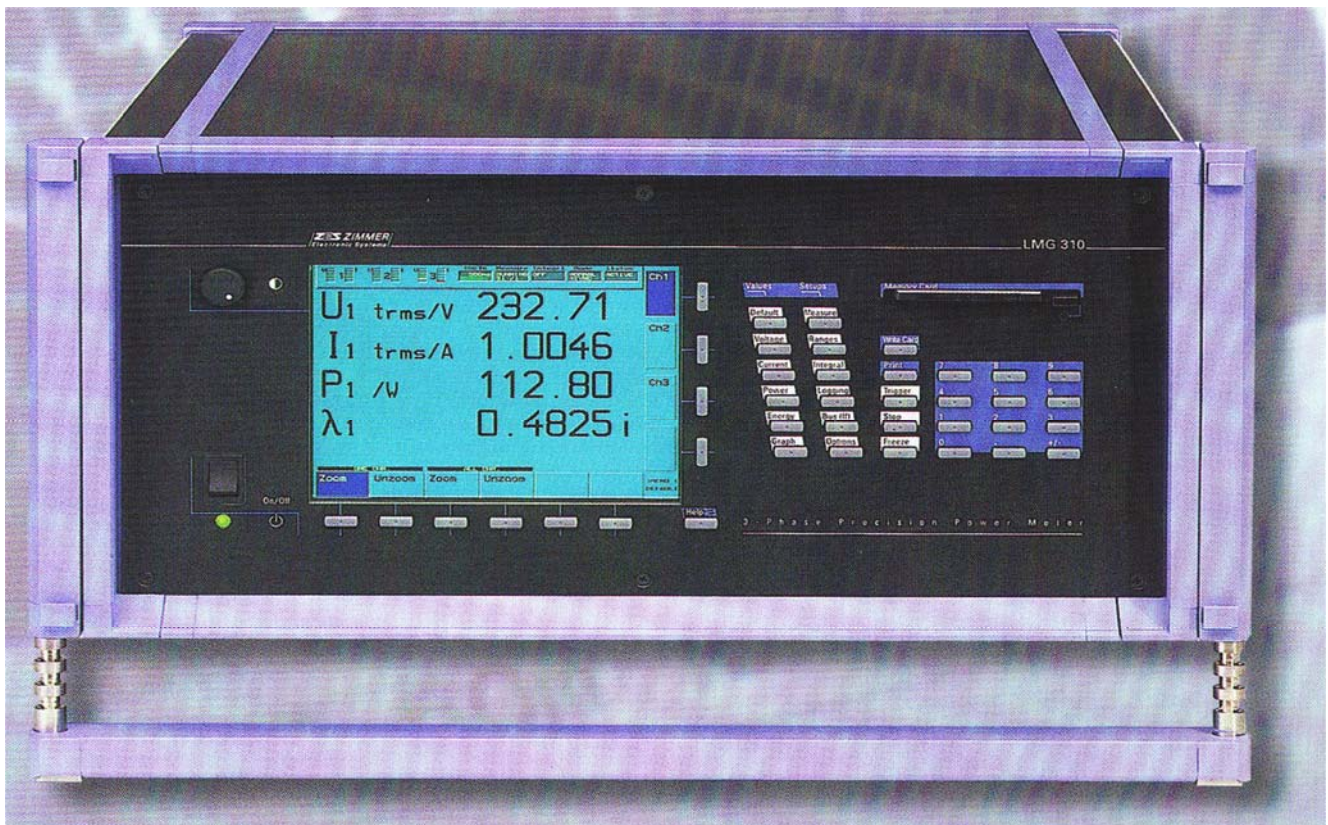
A German electronic manufacturer, **ZIMMER Electric Systems**, manufactures precision power meter to cope with requirements in all industrial applications.

ZIMMER Electric Systems, 是德國著名生產廠、專門生產適用符合各工業需求及應用之精密功率測試儀。

3-Phase Precision Power Meter **LMG310**

精密三相電功率表、**LMG310**

- ▶ Basic Accuracy 0.05%
提供基本準確度百份之 0.05
- ▶ DC, 0.1Hz...400KHz / 1 MHz
提供寬大頻率響應、由 0.1 週至 1 兆週
- ▶ Harmonic Analysis 諧波分析功能
- ▶ Flicker Measuring
- ▶ All measurements, analysis and graphics in real time
提供在線讀數測試圖表分析功能
- ▶ Scope Function
提供波形顯示功能
- ▶ Transient Recording
可記錄迅間電源
- ▶ For Frequency Converters 頻率轉換功能
- ▶ Transformer Version 適用變壓應用



Precision Power Meter 精密電功率表 LMG 95

Basic Accuracy 0.03%

提供基本準確度、百分之

Traceable reference instrument to calibrate power, energy, current voltage, harmonic analysis and measuring of flicker according to IEC1000-3

測試功率、能量、電流、電壓、諧波分析及振幅等數據

儀器可追溯國際認可標準 IEC1000-3

Precision Range

DC, 0.5Hz ...400KHz

Measure, test and analyze of power electronics, frequency inverters chopped power supplies, electronic ballasts, fluorescent lamps, household appliances, motors and transformers

適合測試及分析多類產品測試數據、產品如：電子功率、

頻率轉換器、開關電源、電子光管變壓器、電光管、家電

用品、變壓器等

Graphical Display,

Formula Editor

圖表顯示及程式更改功能

Wave form, time diagrams, xy-diagrams (hysteresis of magnetic Materials), bar charts of harmonics.

提供數值與時間圖表顯示:如 X 與 Y 軸數據圖表顯示:如(含

磁物料 XY 特性)、垂直柱表格顯示諧波特性的

Adjustable Analyzing

Window

分拆顯示範圍可隨意調校

To measure single events as motor starts and inrush current ($I_{peak\ max}$, 960A!), evaluation of non-periodical signals

可進行單項測試如起動產生瞬間電流($I_{peak\ max}$ 最高電流記

錄可達九百六十安培、同時可提供評估不規率詢號功能



Precision Power and Energy Meter 精密電功率表 LMG 90

Precision from DC to 400 KHz, bandwidth 1 MHz 頻寬達一兆週

Power 功率 (W, VA, Var)	Energy 能量 (Wh)	Charge 充能量 (Ah)	TRMS Values 真電值 (V, A)	Power Factor 功率系數 PF
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▶ Bandwidth 頻寬	DC to 10KHz (LMG90-1)	DC to 50KHz (LMG90-2)	DC to 400KHz (LMG90-5)
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▶ Measuring accuracy for V, I, P : Indicated value $\pm 0.2\%$ valid for all current & voltage
Measuring ranges (DC to 50KHz for LMG90-5)

所有電壓及電流、率測試準確度: LMG90-5 型、在測試範圍(DC to 50KHz)內、顯示值百份之 0.2

▶ Basic accuracy : 0.05% 標準準確度 : 百份之 0.05

▶ Direct Current measuring range; 10mA to 30A

直接輸入電流測試範圍: 十毫安至三十安

▶ Direct Voltage measuring range: 1V to 1000V

直接輸入電壓測試範圍; 一伏至一千伏

▶ To be used in development production , quality control

適用於開發、生產及品質控制

▶ Application:

Measuring loss power of reactive as well non linear components e.g. transformers, chokes, motors, capacitors, power supplies, inverters.

應用範圍: 測試不線性元件之損耗功率如變壓器、火牛、馬達、電容器、電源、轉換器等等