

T89 Compliance / Single Phase Power Analyser

- Insulation (50,100,250, 500,1000V)
- Loop resistance
- Line impedance
- Global earth
- Phase rotation
- 350 Memory locations
- Power
- Voltage anomalies
- Harmonics
- Power factor
- Single phase power tested individually
- **Memory: 2Mb**

Includes:
TOPVIEW2006 - C2006
USB Cable and Software



Meter
Supplied With
Calibration
Certificate



Technical Specification

Resistivity Measurement					
Range p	0.60 ÷ 19.99Ωm	20.0 ÷ 199.9Ωm	200 ÷ 1999Ωm	2.00 ÷ 99.99kΩm	100.0 ÷ 125.6Ωm
Resolution	0.01Ωm	0.1Ωm	1Ωm	0.01kΩm	0.1kΩm
Accuracy	±(5% reading + 3 digit)				

Voltage Measurement - Single Phase System (Auto Range)		
Range	15 ÷ 310V	310 ÷ 600V
Resolution	0.2V	0.4V
Input Impedance	300kΩ (phase-neutral)	300kΩ (phase-phase)
Accuracy	± (0.5% + 2 Digits)	

Voltage Sag and Surge Detection - Single Phase System (Manual Range)		
Range	15 ÷ 310V	30 ÷ 600V
Resolution (Voltage)	0.2V	0.4V
Input Impedance	300kΩ (phase-neutral)	300kΩ (phase-phase)
Resolution (time)	10ms (1/2 period)	
Accuracy (Voltage)	±(1.0% Reading + 2 Digit)	
Accuracy (rif 50Hz)(time)	±(1.0% Reading + 2 Digit)	

Current Measurement - Single Phase Systems (Auto Range)		
Range	0.005 ÷ 0.26V	0.26 ÷ 1V
Resolution	0.1V	0.4V
Accuracy	±(0.5% Reading + 2 Digit)	
Input Impedance	200kΩ	
Overload Protection	5V	

Cosφ Measurement - Single Phase System			
Cos	0.20	0.50	0.80
Accuracy in Degree	0.6°	0.7°	1.0°
Resolution	0.01 Digit		

VOLTAGE and current harmonic MEASUREMENT - single phase system			
Range	DC - 25H	26H - 33H	34H - 49H
Accuracy in Degree	5% + 2 Digits	10% + 2 Digits	15% + 2 Digits
Resolution	0.1V/0.1A		

Leakage Current Measurement	
Range	0.5 ÷ 999.9mA
Resolution	0.1mA

Model Specification

Standard Accessories	300 - 3000A Flex clamps Test leads Earth test leads & spikes Power cable Power adaptor T0050 (Also for T76) TOPVIEW2006 Software & cable RS232 Carry case Instruction manual Calibration certificate ISO9000
Dimensions (mm)	225(L) x 165(W) x 105(H)
Power Source	6 x 1.5 AA Batteries
Weight	1.7kg

POWER MEASUREMENT - single phase system (Auto Range)

Active Power				
Range	0 ÷ 999.9W	1 ÷ 999.9W	1 ÷ 999.9MW	1000 ÷ 9999MW
Resolution	0.1W	0.1KW	0.1MW	1MW
Accuracy	±(1.0% Reading + 2 Digit)			

Reactive Power				
Range	0 ÷ 999.9VAR	1 ÷ 999.9VAR	1 ÷ 999.9VAR	1000 ÷ 9999MVAR
Resolution	0.1VAR	0.1KVAR	0.1MVAR	1MVAR
Accuracy	±(1.0% Reading + 2 Digit)			

Apparent Power				
Range	0 ÷ 999.9VA	1 ÷ 999.9kVA	1 ÷ 999.9MVA	1000 ÷ 9999MVA
Resolution	0.1VA	0.1kVA	0.1MVA	1MVA
Accuracy	±(1.0% Reading + 2 Digit)			

Active Energy (Classe2 en61036)				
Range	0 ÷ 999.9Wh	1 ÷ 999.9kWh	1 ÷ 999.9MWh	1000 ÷ 9999MWh
Resolution	0.1Wh	0.1kWh	0.1MWh	1MWh
Accuracy	±(1.0% Reading + 2 Digit)			

Reactive Energy (classes3 IEC1268)				
Range	0 ÷ 999.9VARh	1 ÷ 999.9VARh	1 ÷ 999.9VARh	1000 ÷ 9999VARh
Resolution	0.1VARh	0.1kVARh	0.1MVARh	1MVARh
Accuracy	±(1.0% Reading + 2 Digit)			

ENVIRONMENTAL parameter measurement				
Range	-20° - 80°C	0 ÷ 100% UR	0.001Lux ÷ 20.00Lux	0.1Lux ÷ 2000Lux
Resolution	0.1°C	0.1% UR	0.001 ÷ 0.02 Lux	0.1 ÷ 2 Lux
Accuracy	±(2% Reading + 2 Digit)			