

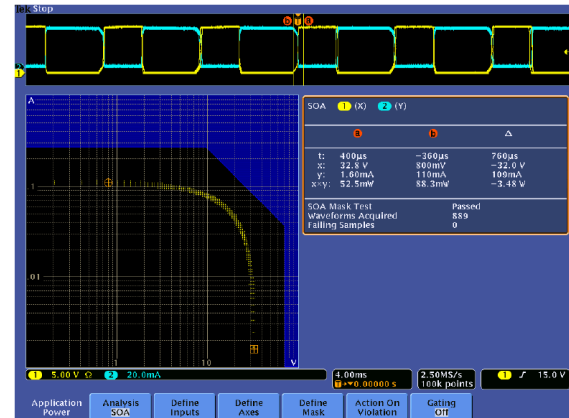
Power Measurement Applications for Oscilloscopes

MSO/DPO4000B & MSO/DPO3000 Series

Opt. DPO4 PWR (CHF 1'619.00) , DPO3 PWR (CHF 1'162.00)

Measurement Description

Measurement	Description
Power Quality Measurements	V_{RMS} , V_{Crest} Factor, Frequency, I_{RMS} , I_{Crest} Factor, True Power, Apparent Power, Reactive Power, Power Factor, Phase Angle
Switching Loss Measurements	Power Loss: T_{on} , T_{off} , Conduction, Total Energy Loss: T_{on} , T_{off} , Conduction, Total
Harmonics	THD-F, THD-R, RMS measurements Graphical and table displays of harmonics Test to IEC61000-3-2 Class A and MIL-STD-1399
Ripple Measurements	V_{ripple} and I_{ripple}
Modulation Analysis	Graphical display of +Pulse Width, -Pulse Width, Period, Frequency, +Duty Cycle, and -Duty Cycle modulation types
Safe Operating Area	Graphical display and mask testing of switching device safe operating area measurements
dV/dt and dI/dt Measurements	Cursor measurements of slew rate



MSO/DPO5000 & DPO7000 Series

Opt. MSO5xxx PWR (CHF 3'800.00)

Power Device Analysis

Switching Analysis

Switching Loss, Hi Power Finder, Safe Operating Area (SOA), SOA Mask Editor with Mask Testing, Dynamic ON Resistance, di/dt, dv/dt.

Modulation Analysis

Pulse Width, Duty Cycle, Period, and Frequency Variation versus Time.

Magnetics

Magnetic Loss, Inductance, Maximum Magnetic Flux Density, Permeability, Remanence Flux Density, Coercive Force.

Input/Output Analysis

Input Analysis

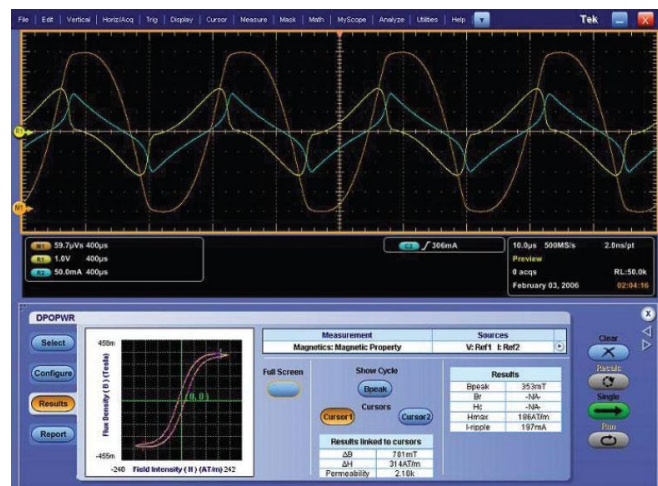
True Power, Apparent Power, Power Factor, Crest Factor, Current Harmonics, THD, precompliance testing for EN61000-3-2, EN61000-3-2 AM14, and MIL Standard 1399 (400 Hz) Standards.

Output Analysis

Ripple due to line frequency and switching frequency, Turn-on Time, Spectral Analysis (automated spectral analysis by setting start frequency, stop frequency, and resolution bandwidth).

Report Generation

Great template, custom report layout, and report generation.



Power Probes

Probes	Description	Approximate Price CHF
Current Probes		
A622	AC/DC, 100A, 100kHz, BNC	588.00
A621	AC, 1200A, 50kHz, BNC	575.00
TCP202A	AC/DC, 15A, 50MHz, TekProbe*	TBD
TCP2020	AC/DC, 20A, 50MHz, BNC (AC Adapter)	TBD
TCP0020	AC/DC, 20A, 50MHz, TekProbe*	3'713.00
TCP0030	AC/DC, 30A, 120MHz, TekVPI	3'860.00
TCP0150	AC/DC, 150A, 20MHz, TekVPI	4'540.00
P6021	AC, 250A, 60MHz, BNC	1'730.00
P6022	AC, 100A, 120MHz, BNC	1'850.00
CT1	AC, 12A, 1GHz, BNC	780.00
CT2	AC, 36A, 200MHz, BNC	770.00
CT4	AC, 20kA, 20MHz, for P6021	340.00
High Voltage Differential Probe		
P5200A	1.3kV, 50MHz, BNC	1000.00
P5202A	640V, 100MHz, TekProbe*	1'520.00
P5205A	1.3kV, 100MHz, TekProbe*	1'650.00
P5210A	5.6kV, 50MHz, TekProbe*	3'304.00
TMDP0200	750V, 200MHz, TekVPI	TBD
THDP0200	1.5kV, 200MHz, TekVPI	TBD
THDP0100	6kV, 100MHz, TekVPI	TBD
Differential Probe		
TDP0500	30V, 500MHz, TekVPI	3'676.00
TDP1000	30V, 1GHz, TekVPI	5'169.00
Passive High Voltage Probes		
P5100A	2.5kV, 500MHz, 100:1	500.00
P5120	1kV, 200MHz, 20:1	TBA
P5122	1kV, 500MHz, 100:1	310.00
P6015A	40kV, 75MHz, 1000:1 BNC	1'990.00
*Adapter required		
TPA-BNC	TekProbe to new TekVPI	529.00