

# MICROVIP3 PLUS

Portable energy and harmonics analyser for unbalanced 1- and 3-phase systems.

189 functions from ONE instrument



33 measurements showing the true value displayed on a back-lit LCD.

<b>Volt</b>	Rms phase-to-phase voltage (average of the three phases)	V	380500	A
<b>Amp</b>	Equivalent rms current of the three-phase system			
<b>P.F. cosØ</b>	Power factor of the three-phase system	cosØ P.F.	0.90296	kW
<b>kWatt</b>	Active power of the three-phase system		3ø	AC
<b>Volt L1</b>	Rms voltage between phase L1 and neutral	V L1	220221	L2
<b>Volt L2</b>	Rms voltage between phase L2 and neutral			
<b>Volt L3</b>	Rms voltage between phase L3 and neutral	L3	2201	AC
<b>Amp L1</b>	Rms current of phase L1	L1	490499	L2 A
<b>Amp L2</b>	Rms current of phase L2			
<b>Amp L3</b>	Rms current of phase L3	L3	4801	AC
<b>kW L1</b>	Phase L1 active power	L1	970993	L2
<b>kW L2</b>	Phase L2 active power			
<b>kW L3</b>	Phase L3 active power	L3	9501	kW AC
<b>P.F. cosØ L1</b>	Phase L1 Power Factor	L1	0.90092	L2
<b>P.F. cosØ L2</b>	Phase L2 Power Factor	cosØ P.F. L3	1.001	AC
<b>P.F. cosØ L3</b>	Phase L3 Power Factor			
<b>kvar</b>	Reactive power of the three-phase system	kVar	889329	kVA
<b>kVA</b>	Apparent power of the three-phase system		1500	Hz AC
<b>Hz</b>	Voltage frequency		3ø	
<b>kvarh (kVAh)</b>	Reactive energy consumption for the three-phase system (Apparent Energy with STD2 option)	kVAh	888888	kWh
<b>kWh</b>	Active energy consumption for the three phase system		999999	3ø AC
<b>-kVarh</b>	Reactive energy export (COG4 option)	kVarh	-999999	kWh
<b>-kWh</b>	Active energy export (COG4 option)		-999999	3ø AC
<b>kVAr</b>	Average reactive power peak of the three-phase system	kVar	128500	kVA
<b>kVA</b>	Average apparent power peak of the three-phase system		1500	kW AC
<b>kW</b>	Average active power peak of the three-phase system	PEAK MEM	3ø	
<b>THDF VL1</b>	Total Harmonic Distortion Factor of the Voltage of Phase 1 referenced to the RMS value for 50 / 60 Hz systems.	V L1	2.021.96	L2
<b>THDF VL2</b>	Total Harmonic Distortion Factor of the Voltage of Phase 2 referenced to the RMS value for 50 / 60 Hz systems.			
<b>THDF VL3</b>	Total Harmonic Distortion Factor of the Voltage of Phase 3 referenced to the RMS value for 50 / 60 Hz systems.	L3	1.991thd	AC
<b>THDF AL1</b>	Total Harmonic Distortion Factor of the Current of Phase 1 referenced to the RMS value for 50 / 60 Hz systems.	L1	2.4613.87	L2 A
<b>THDF AL2</b>	Total Harmonic Distortion Factor of the Current of Phase 2 referenced to the RMS value for 50 / 60 Hz systems.			
<b>THDF AL3</b>	Total Harmonic Distortion Factor of the Current of Phase 3 referenced to the RMS value for 50 / 60 Hz systems.	L3	2.951thd	AC
<b>LOG on (off)</b>	To activate (or de-activate) storage (Changed using the SET key)		LOG on	m
<b>01:99 m (minutes)</b>	Data recording rate		01 on	MEM
<b>00:100 (%) MEM</b>	% of memory used			

156 additional measurements of the printer

	Vk1 AR	Vk1 AHT	Vk2 AR	Vk2 AHT	Vk3 AR	Vk3 AHT	Vk4 AR	Vk4 AHT	Vk5 AR	Vk5 AHT	Vk6 AR	Vk6 AHT	Vk7 AR	Vk7 AHT	Vk8 AR	Vk8 AHT	Vk9 AR	Vk9 AHT	Vk10 AR	Vk10 AHT	Vk11 AR	Vk11 AHT	Vk12 AR	Vk12 AHT	Vk13 AR	Vk13 AHT	Vk14 AR	Vk14 AHT	Vk15 AR	Vk15 AHT	Vk16 AR	Vk16 AHT	Vk17 AR	Vk17 AHT	Vk18 AR	Vk18 AHT	Vk19 AR	Vk19 AHT	Vk20 AR	Vk20 AHT	Vk21 AR	Vk21 AHT	Vk22 AR	Vk22 AHT	Vk23 AR	Vk23 AHT	Vk24 AR	Vk24 AHT	Vk25 AR	Vk25 AHT	Vk26 AR	Vk26 AHT	Vk27 AR	Vk27 AHT	Vk28 AR	Vk28 AHT	Vk29 AR	Vk29 AHT	Vk30 AR	Vk30 AHT	Vk31 AR	Vk31 AHT	Vk32 AR	Vk32 AHT	Vk33 AR	Vk33 AHT	Vk34 AR	Vk34 AHT	Vk35 AR	Vk35 AHT	Vk36 AR	Vk36 AHT	Vk37 AR	Vk37 AHT	Vk38 AR	Vk38 AHT	Vk39 AR	Vk39 AHT	Vk40 AR	Vk40 AHT	Vk41 AR	Vk41 AHT	Vk42 AR	Vk42 AHT	Vk43 AR	Vk43 AHT	Vk44 AR	Vk44 AHT	Vk45 AR	Vk45 AHT	Vk46 AR	Vk46 AHT	Vk47 AR	Vk47 AHT	Vk48 AR	Vk48 AHT	Vk49 AR	Vk49 AHT	Vk50 AR	Vk50 AHT	Vk51 AR	Vk51 AHT	Vk52 AR	Vk52 AHT	Vk53 AR	Vk53 AHT	Vk54 AR	Vk54 AHT	Vk55 AR	Vk55 AHT	Vk56 AR	Vk56 AHT	Vk57 AR	Vk57 AHT	Vk58 AR	Vk58 AHT	Vk59 AR	Vk59 AHT	Vk60 AR	Vk60 AHT	Vk61 AR	Vk61 AHT	Vk62 AR	Vk62 AHT	Vk63 AR	Vk63 AHT	Vk64 AR	Vk64 AHT	Vk65 AR	Vk65 AHT	Vk66 AR	Vk66 AHT	Vk67 AR	Vk67 AHT	Vk68 AR	Vk68 AHT	Vk69 AR	Vk69 AHT	Vk70 AR	Vk70 AHT	Vk71 AR	Vk71 AHT	Vk72 AR	Vk72 AHT	Vk73 AR	Vk73 AHT	Vk74 AR	Vk74 AHT	Vk75 AR	Vk75 AHT	Vk76 AR	Vk76 AHT	Vk77 AR	Vk77 AHT	Vk78 AR	Vk78 AHT	Vk79 AR	Vk79 AHT	Vk80 AR	Vk80 AHT	Vk81 AR	Vk81 AHT	Vk82 AR	Vk82 AHT	Vk83 AR	Vk83 AHT	Vk84 AR	Vk84 AHT	Vk85 AR	Vk85 AHT	Vk86 AR	Vk86 AHT	Vk87 AR	Vk87 AHT	Vk88 AR	Vk88 AHT	Vk89 AR	Vk89 AHT	Vk90 AR	Vk90 AHT	Vk91 AR	Vk91 AHT	Vk92 AR	Vk92 AHT	Vk93 AR	Vk93 AHT	Vk94 AR	Vk94 AHT	Vk95 AR	Vk95 AHT	Vk96 AR	Vk96 AHT	Vk97 AR	Vk97 AHT	Vk98 AR	Vk98 AHT	Vk99 AR	Vk99 AHT	Vk100 AR	Vk100 AHT	Vk101 AR	Vk101 AHT	Vk102 AR	Vk102 AHT	Vk103 AR	Vk103 AHT	Vk104 AR	Vk104 AHT	Vk105 AR	Vk105 AHT	Vk106 AR	Vk106 AHT	Vk107 AR	Vk107 AHT	Vk108 AR	Vk108 AHT	Vk109 AR	Vk109 AHT	Vk110 AR	Vk110 AHT	Vk111 AR	Vk111 AHT	Vk112 AR	Vk112 AHT	Vk113 AR	Vk113 AHT	Vk114 AR	Vk114 AHT	Vk115 AR	Vk115 AHT	Vk116 AR	Vk116 AHT	Vk117 AR	Vk117 AHT	Vk118 AR	Vk118 AHT	Vk119 AR	Vk119 AHT	Vk120 AR	Vk120 AHT	Vk121 AR	Vk121 AHT	Vk122 AR	Vk122 AHT	Vk123 AR	Vk123 AHT	Vk124 AR	Vk124 AHT	Vk125 AR	Vk125 AHT	Vk126 AR	Vk126 AHT	Vk127 AR	Vk127 AHT	Vk128 AR	Vk128 AHT	Vk129 AR	Vk129 AHT	Vk130 AR	Vk130 AHT	Vk131 AR	Vk131 AHT	Vk132 AR	Vk132 AHT	Vk133 AR	Vk133 AHT	Vk134 AR	Vk134 AHT	Vk135 AR	Vk135 AHT	Vk136 AR	Vk136 AHT	Vk137 AR	Vk137 AHT	Vk138 AR	Vk138 AHT	Vk139 AR	Vk139 AHT	Vk140 AR	Vk140 AHT	Vk141 AR	Vk141 AHT	Vk142 AR	Vk142 AHT	Vk143 AR	Vk143 AHT	Vk144 AR	Vk144 AHT	Vk145 AR	Vk145 AHT	Vk146 AR	Vk146 AHT	Vk147 AR	Vk147 AHT	Vk148 AR	Vk148 AHT	Vk149 AR	Vk149 AHT	Vk150 AR	Vk150 AHT	Vk151 AR	Vk151 AHT	Vk152 AR	Vk152 AHT	Vk153 AR	Vk153 AHT	Vk154 AR	Vk154 AHT	Vk155 AR	Vk155 AHT	Vk156 AR	Vk156 AHT	Vk157 AR	Vk157 AHT	Vk158 AR	Vk158 AHT	Vk159 AR	Vk159 AHT	Vk160 AR	Vk160 AHT	Vk161 AR	Vk161 AHT	Vk162 AR	Vk162 AHT	Vk163 AR	Vk163 AHT	Vk164 AR	Vk164 AHT	Vk165 AR	Vk165 AHT	Vk166 AR	Vk166 AHT	Vk167 AR	Vk167 AHT	Vk168 AR	Vk168 AHT	Vk169 AR	Vk169 AHT	Vk170 AR	Vk170 AHT	Vk171 AR	Vk171 AHT	Vk172 AR	Vk172 AHT	Vk173 AR	Vk173 AHT	Vk174 AR	Vk174 AHT	Vk175 AR	Vk175 AHT	Vk176 AR	Vk176 AHT	Vk177 AR	Vk177 AHT	Vk178 AR	Vk178 AHT	Vk179 AR	Vk179 AHT	Vk180 AR	Vk180 AHT	Vk181 AR	Vk181 AHT	Vk182 AR	Vk182 AHT	Vk183 AR	Vk183 AHT	Vk184 AR	Vk184 AHT	Vk185 AR	Vk185 AHT	Vk186 AR	Vk186 AHT	Vk187 AR	Vk187 AHT	Vk188 AR	Vk188 AHT	Vk189 AR	Vk189 AHT	Vk190 AR	Vk190 AHT	Vk191 AR	Vk191 AHT	Vk192 AR	Vk192 AHT	Vk193 AR	Vk193 AHT	Vk194 AR	Vk194 AHT	Vk195 AR	Vk195 AHT	Vk196 AR	Vk196 AHT	Vk197 AR	Vk197 AHT	Vk198 AR	Vk198 AHT	Vk199 AR	Vk199 AHT	Vk200 AR	Vk200 AHT	Vk201 AR	Vk201 AHT	Vk202 AR	Vk202 AHT	Vk203 AR	Vk203 AHT	Vk204 AR	Vk204 AHT	Vk205 AR	Vk205 AHT	Vk206 AR	Vk206 AHT	Vk207 AR	Vk207 AHT	Vk208 AR	Vk208 AHT	Vk209 AR	Vk209 AHT	Vk210 AR	Vk210 AHT	Vk211 AR	Vk211 AHT	Vk212 AR	Vk212 AHT	Vk213 AR	Vk213 AHT	Vk214 AR	Vk214 AHT	Vk215 AR	Vk215 AHT	Vk216 AR	Vk216 AHT	Vk217 AR	Vk217 AHT	Vk218 AR	Vk218 AHT	Vk219 AR	Vk219 AHT	Vk220 AR	Vk220 AHT	Vk221 AR	Vk221 AHT	Vk222 AR	Vk222 AHT	Vk223 AR	Vk223 AHT	Vk224 AR	Vk224 AHT	Vk225 AR	Vk225 AHT	Vk226 AR	Vk226 AHT	Vk227 AR	Vk227 AHT	Vk228 AR	Vk228 AHT	Vk229 AR	Vk229 AHT	Vk230 AR	Vk230 AHT	Vk231 AR	Vk231 AHT	Vk232 AR	Vk232 AHT	Vk233 AR	Vk233 AHT	Vk234 AR	Vk234 AHT	Vk235 AR	Vk235 AHT	Vk236 AR	Vk236 AHT	Vk237 AR	Vk237 AHT	Vk238 AR	Vk238 AHT	Vk239 AR	Vk239 AHT	Vk240 AR	Vk240 AHT	Vk241 AR	Vk241 AHT	Vk242 AR	Vk242 AHT	Vk243 AR	Vk243 AHT	Vk244 AR	Vk244 AHT	Vk245 AR	Vk245 AHT	Vk246 AR	Vk246 AHT	Vk247 AR	Vk247 AHT	Vk248 AR	Vk248 AHT	Vk249 AR	Vk249 AHT	Vk250 AR	Vk250 AHT	Vk251 AR	Vk251 AHT	Vk252 AR	Vk252 AHT	Vk253 AR	Vk253 AHT	Vk254 AR	Vk254 AHT	Vk255 AR	Vk255 AHT	Vk256 AR	Vk256 AHT	Vk257 AR	Vk257 AHT	Vk258 AR	Vk258 AHT	Vk259 AR	Vk259 AHT	Vk260 AR	Vk260 AHT	Vk261 AR	Vk261 AHT	Vk262 AR	Vk262 AHT	Vk263 AR	Vk263 AHT	Vk264 AR	Vk264 AHT	Vk265 AR	Vk265 AHT	Vk266 AR	Vk266 AHT	Vk267 AR	Vk267 AHT	Vk268 AR	Vk268 AHT	Vk269 AR	Vk269 AHT	Vk270 AR	Vk270 AHT	Vk271 AR	Vk271 AHT	Vk272 AR	Vk272 AHT	Vk273 AR	Vk273 AHT	Vk274 AR	Vk274 AHT	Vk275 AR	Vk275 AHT	Vk276 AR	Vk276 AHT	Vk277 AR	Vk277 AHT	Vk278 AR	Vk278 AHT	Vk279 AR	Vk279 AHT	Vk280 AR	Vk280 AHT	Vk281 AR	Vk281 AHT	Vk282 AR	Vk282 AHT	Vk283 AR	Vk283 AHT	Vk284 AR	Vk284 AHT	Vk285 AR	Vk285 AHT	Vk286 AR	Vk286 AHT	Vk287 AR	Vk287 AHT	Vk288 AR	Vk288 AHT	Vk289 AR	Vk289 AHT	Vk290 AR	Vk290 AHT	Vk291 AR	Vk291 AHT	Vk292 AR	Vk292 AHT	Vk293 AR	Vk293 AHT	Vk294 AR	Vk294 AHT	Vk295 AR	Vk295 AHT	Vk296 AR	Vk296 AHT	Vk297 AR	Vk297 AHT	Vk298 AR	Vk298 AHT	Vk299 AR	Vk299 AHT	Vk300 AR	Vk300 AHT	Vk301 AR	Vk301 AHT	Vk302 AR	Vk302 AHT	Vk303 AR	Vk303 AHT	Vk304 AR	Vk304 AHT	Vk305 AR	Vk305 AHT	Vk306 AR	Vk306 AHT	Vk307 AR	Vk307 AHT	Vk308 AR	Vk308 AHT	Vk309 AR	Vk309 AHT	Vk310 AR	Vk310 AHT	Vk311 AR	Vk311 AHT	Vk312 AR	Vk312 AHT	Vk313 AR	Vk313 AHT	Vk314 AR	Vk314 AHT	Vk315 AR	Vk315 AHT	Vk316 AR	Vk316 AHT	Vk317 AR	Vk317 AHT	Vk318 AR	Vk318 AHT	Vk319 AR	Vk319 AHT	Vk320 AR	Vk320 AHT	Vk321 AR	Vk321 AHT	Vk322 AR	Vk322 AHT	Vk323 AR	Vk323 AHT	Vk324 AR	Vk324 AHT	Vk325 AR	Vk325 AHT	Vk326 AR	Vk326 AHT	Vk327 AR	Vk327 AHT	Vk328 AR	Vk328 AHT	Vk329 AR	Vk329 AHT	Vk330 AR	Vk330 AHT	Vk331 AR	Vk331 AHT	Vk332 AR	Vk332 AHT	Vk333 AR	Vk333 AHT	Vk334 AR	Vk334 AHT	Vk335 AR	Vk335 AHT	Vk336 AR	Vk336 AHT	Vk337 AR	Vk337 AHT	Vk338 AR	Vk338 AHT	Vk339 AR	Vk339 AHT	Vk340 AR	Vk340 AHT	Vk341 AR	Vk341 AHT	Vk342 AR	Vk342 AHT	Vk343 AR	Vk343 AHT	Vk344 AR	Vk344 AHT	Vk345 AR	Vk345 AHT	Vk346 AR	Vk346 AHT	Vk347 AR	Vk347 AHT	Vk348 AR	Vk348 AHT	Vk349 AR	Vk349 AHT	Vk350 AR	Vk350 AHT	Vk351 AR	Vk351 AHT	Vk352 AR	Vk352 AHT	Vk353 AR	Vk353 AHT	Vk354 AR	Vk354 AHT	Vk355 AR	Vk355 AHT	Vk356 AR	Vk356 AHT	Vk357 AR	Vk357 AHT	Vk358 AR	Vk358 AHT	Vk359 AR	Vk359 AHT	Vk360 AR	Vk360 AHT	Vk361 AR	Vk361 AHT	Vk362 AR	Vk362 AHT	Vk363 AR	Vk363 AHT	Vk364 AR	Vk364 AHT	Vk365 AR	Vk365 AHT	Vk366 AR	Vk366 AHT	Vk367 AR	Vk367 AHT	Vk368 AR	Vk368 AHT	Vk369 AR	Vk369 AHT	Vk370 AR	Vk370 AHT	Vk371 AR	Vk371 AHT	Vk372 AR	Vk372 AHT	Vk373 AR	Vk373 AHT	Vk374 AR	Vk374 AHT	Vk375 AR	Vk375 AHT	Vk376 AR	Vk376 AHT	Vk377 AR	Vk377 AHT	Vk378 AR	Vk378 AHT	Vk379 AR	Vk379 AHT	Vk380 AR	Vk380 AHT	Vk381 AR	Vk381 AHT	Vk382 AR	Vk382 AHT	Vk383 AR	Vk383 AHT	Vk384 AR	Vk384 AHT	Vk385 AR	Vk385 AHT	Vk386 AR	Vk386 AHT	Vk387 AR	Vk387 AHT	Vk388 AR	Vk388 AHT	Vk389 AR	Vk389 AHT	Vk390 AR	Vk390 AHT	Vk391 AR	Vk391 AHT	Vk392 AR	Vk392 AHT	Vk393 AR	Vk393 AHT	Vk394 AR	Vk394 AHT	Vk395 AR	Vk395 AHT	Vk396 AR	Vk396 AHT	Vk397 AR	Vk397 AHT	Vk398 AR	Vk398 AHT	Vk399 AR	Vk399 AHT	Vk400 AR	Vk400 AHT	Vk401 AR	Vk401 AHT	Vk402 AR	Vk402 AHT	Vk403 AR	Vk403 AHT	Vk404 AR	Vk404 AHT	Vk405 AR	Vk405 AHT	Vk406 AR	Vk406 AHT	Vk407 AR	Vk407 AHT	Vk408 AR	Vk408 AHT	Vk409 AR	Vk409 AHT	Vk410 AR	Vk410 AHT	Vk411 AR	Vk411 AHT	Vk412 AR	Vk412 AHT	Vk413 AR	Vk413 AHT	Vk414 AR	Vk414 AHT	Vk415 AR	Vk415 AHT	Vk416 AR	Vk416 AHT	Vk417 AR	Vk417 AHT	Vk418 AR	Vk418 AHT	Vk419 AR	Vk419 AHT	Vk420 AR	Vk420 AHT	Vk421 AR	Vk421 AHT	Vk422 AR	Vk422 AHT	Vk423 AR	Vk423 AHT	Vk424 AR	Vk424 AHT	Vk425 AR	Vk425 AHT	Vk426 AR	Vk426 AHT	Vk427 AR	Vk427 AHT	Vk428 AR	Vk428 AHT	Vk429 AR	Vk429 AHT	Vk430 AR	Vk430 AHT	Vk431 AR	Vk431 AHT	Vk432 AR	Vk432 AHT	Vk433 AR	Vk433 AHT	Vk434 AR	Vk434 AHT	Vk4
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