



PANCONTROL.at

PRODUCT CATALOGUE 2023



**PROFESSIONAL
MEASURING TECHNOLOGY**

practical - innovative - professional

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Single pole voltage testers

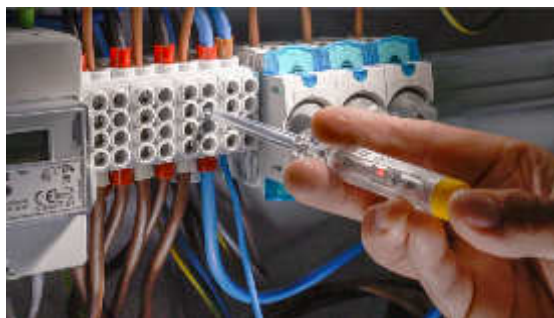
PAN PSD140TR

Test screw driver 250V I = 140mm

- Transparent case with yellow cap
- Blade 3 x 65mm made of hardened tool steel C60
- **Single-pole phase tester**
- No battery required
- **Made in Germany**
- **VDE & GS certified**



Technical Data	PAN PSD140TR
AC voltage (V ~)	125 V - 250 V
Dimensions	140 x 15 x 17 mm
Weight (gross / net)	15 / 15 g
Required battery(s):	---



PAN PSD140TR Video DE:



PAN PSD140TR Video EN:



Single pole voltage testers

PAN PSD150

Test screwdriver 250V I = 150mm

- Completely closed impact-resistant ABS housing provides better visibility of neon lamp
- Blade 3 x 65mm made of hardened tool steel C60
- **Single-pole phase tester**
- **IP 54 waterproof**
- No battery required
- **Made in Germany**
- **VDE & GS certified**



Technical Data	PAN PSD150
AC voltage (V ~)	125 V - 250 V
Dimensions	150 x 24 x 23 mm
Weight (gross / net)	29 / 29 g
Required battery(s):	---



PAN PSD150 Video DE:



PAN PSD150 Video EN:



Single pole voltage testers

PAN PSD190

Test screwdriver 250V I = 190mm

- Completely closed impact-resistant ABS housing provides better visibility of neon lamp
- Blade 3,5 x 100mm made of hardened tool steel C60
- **Single-pole phase tester**
- **IP 54 waterproof**
- No battery required
- **Made in Germany**
- **VDE & GS certified**



Technical Data	PAN PSD190
AC voltage (V ~)	125 V - 250 V
Dimensions	190 x 24 x 23 mm
Weight (gross / net)	35 / 35 g
Required battery(s):	---



PAN PSD190 Video DE:



PAN PSD190 Video EN:



Single pole voltage testers

PAN 2000

Test screw driver with LCD display 12-250V AC, 12-36V DC

- Single-pole voltage and phase tester for DC and AC with LCD display
- **Voltage test directly or contactless inductive**
- **Suitable for DC (automotive) and AC (electric installation)**
- No battery required



Technical Data	PAN 2000
DC voltage (V =)	12 V - 36 V
AC voltage (V ~)	12 V - 250 V
Dimensions	130 x 21 x 19 mm
Weight (gross / net)	31 / 21 g
Required battery(s):	---



PAN 2000 Video DE:



PAN 2000 Video EN:



Non Contact Voltage testers & Magnetic detectors

PAN Voltfinder

Non Contact Voltage tester 12 - 1000V AC

- **Non-contact indication of AC voltage by red LED and beeper**
- For single-pole phase test, finding live wires, breaks in cables, defective bulbs in lights, etc.
- Fully insulated, no metallic contact
- Powerbutton with battery status indicator
- **LED flashlight**
- Auto power off

Scope of delivery: Operating manual



Technical Data	PAN Voltfinder
AC voltage (V ~)	12 V - 1000 V
Dimensions	158 x 24 x 27 mm
Weight (gross / net)	99 / 31 g
Required battery(s):	2 x 1,5 V AAA
Measuring category (CAT)	CAT III 1000 V



PAN Voltfinder Video DE:



PAN Voltfinder Video EN:



Non Contact Voltage testers & Magnetic detectors

PAN Magnetfinder

Magnetic detector

- Fully insulated, no metallic contact
- **LED flashlight**
- **A blue LED in the tip and a beep indicate the presence of a magnetic field**
- For permanent magnets and electric magnets AC/DC
- To check electromagnets, electric motors, solenoid valves, relays, contactors, conventional transformers, etc.

Scope of delivery: Magnetic cap for self-test, Operating manual



Technical Data	PAN Magnetfinder
Dimensions	163 x 21 x 26 mm
Weight (gross / net)	118 / 29 g
Required battery(s):	2 x 1,5 V AAA



PAN Magnetfinder Video DE:



PAN Magnetfinder Video EN:



Socket tester

PAN Socket Tester FI

Socket tester + 30 mA RCD test

- 30 mA RCD test
- Testing of power sockets
- Green and red LEDs indicate whether the outlet is properly wired
- The device does not recognize if the neutral wire and earth wire are reversed
- No battery required



Technical Data	PAN Socket Tester FI
AC voltage (V ~)	220 V - 250 V
Dimensions	66 x 61 x 62 mm
Weight (gross / net)	114 / 56 g
Required battery(s):	---
Measuring category (CAT)	CAT III 300 V
Test current (A)	30 mA



PAN Socket Tester FI Video DE:



PAN Socket Tester FI Video EN:



2-pole voltage testers

PAN Prüflampe

Testing lamp

- Voltage range: **100 - 500 V / 0 - 60 Hz**
- Max. Duty cycle: 2 min
- **No batteries required - always ready to use**
- Practical clip for shirt and belt fastening - both hands free to check
- Oven lamp E14 P22x48 235V 15W
- **Made in EU**

Scope of delivery: Operating manual



Technical Data	PAN Prüflampe
DC voltage (V =)	100 V - 500 V
AC voltage (V ~)	100 V - 500 V
Dimensions	95 x 73 x 39 mm
Weight (gross / net)	270 / 208 g
Required battery(s):	---



PAN Prüflampe Video DE:



PAN Prüflampe Video EN:



2-pole voltage testers

PAN Volttester 400

Voltage Tester 6 - 400V AC/DC

- 8 LEDs 6-400 V AC / DC
- Low voltages up to 24 V: green LEDs, dangerous voltages from 50 V: red LEDs
- Indication of polarity for DC
- Suitable for indoor use only
- No battery required

Scope of delivery: screw-contact sleeves for perfect contact in sockets, Operating manual



Technical Data	PAN Volttester 400
DC voltage (V =)	6 - 12 - 24 - 50 V - 120 - 230 - 400 V
AC voltage (V ~)	6 - 12 - 24 - 50 V - 120 - 230 - 400 V
Dimensions	241 x 54 x 27 mm
Weight (gross / net)	232 / 121 g
Required battery(s):	---
Measuring category (CAT)	CAT III 400 V



PAN Volttester 400 Video DE:



PAN Volttester 400 Video EN:



2-pole voltage testers

PAN Volttester 400FI

Voltage Tester 6 - 400V AC/DC + 30mA RCD-Test

- 8 LEDs 6-400 V AC / DC
- Low voltages up to 24 V: green LEDs, dangerous voltages from 50 V: red LEDs
- Indication of polarity for DC
- With test button for 30mA RCD - Circuit Breakers
- **Switchable load for suppressing stray voltages**
- Suitable for indoor use only
- No battery required

Scope of delivery: screw-contact sleeves for perfect contact in sockets, Operating manual



Technical Data	PAN Volttester 400FI
DC voltage (V =)	6 - 12 - 24 - 50 V - 120 - 230 - 400 V
AC voltage (V ~)	6 - 12 - 24 - 50 V - 120 - 230 - 400 V
Dimensions	241 x 65 x 27 mm
Weight (gross / net)	257 / 172 g
Required battery(s):	---
Measuring category (CAT)	CAT III 400 V



PAN Volttester 400FI Video DE:

PAN Volttester 400FI Video EN:



Voltage and continuity testers

PAN MV-1000A

Voltage Tester 1000V LED + rotary field indication - Available end of 2023

- Low voltages up to 24 V: green LEDs, dangerous voltages from 50 V: red LEDs
- **2-pole rotary field indication**
- Single pole phase test with acoustic indication
- **30 mA RCD test**
- **Switchable load for suppressing stray voltages**
- **LED flashlight**
- Auto power off
- **Water and dust protection class IP 64**
- **TÜV GS tested**

Scope of delivery: screw-contact sleeves for perfect contact in sockets, Operating manual



Technical Data	PAN MV-1000A
DC voltage (V =)	12 - 24 - 50 - 120 - 230 - 400 - 690 - 1000 V
AC voltage (V ~)	12 - 24 - 50 - 120 - 230 - 400 - 690 - 1000 V
Continuity test (•)))	< 400 kΩ
Dimensions	265 x 73 x 34 mm
Weight (gross / net)	493 / 207 g
Required battery(s):	2 x 1,5V AAA
Measuring category (CAT)	CAT III 1000 V / CAT IV 600 V

Voltage and continuity testers

PAN MV-1000AD

Voltage Tester 1000V LED + LCD + rotary field indication

- Low voltages up to 24 V: green LEDs, dangerous voltages from 50 V: red LEDs
- Analog LED and backlit digital LCD display
- **2-pole rotary field indication**
- Single pole phase test with acoustic indication
- Data Hold
- **30 mA RCD test**
- **Switchable load for suppressing stray voltages**
- **LED flashlight**
- Auto power off
- **Water and dust protection class IP 64**
- **TÜV GS tested**

Scope of delivery: screw-contact sleeves for perfect contact in sockets, Operating manual



Technical Data	PAN MV-1000AD
DC voltage (V =)	12 - 24 - 50 - 120 - 230 - 400 - 690 - 1000 V
AC voltage (V ~)	12 - 24 - 50 - 120 - 230 - 400 - 690 - 1000 V
Resistance (Ω)	1 Ω - 1999 Ω
Continuity test (•)))	< 400 k Ω
Accuracy (%)	3,0 % - 5,0 %
Dimensions	260 x 74 x 34 mm
Weight (gross / net)	432 / 263 g
Required battery(s):	2x 1,5V AAA
Measuring category (CAT)	CAT III 1000 V / CAT IV 600 V



PAN MV-1000AD Video DE:



PAN MV-1000AD Video EN:



Strom-/Spannungsprüfer

PAN Allrounder 200AD

Easy to use like a voltage tester, versatile like a multimeter:
Current/ voltage tester with LED + LCD display 1000V, 200A
AC/DC True RMS

- Low voltages up to 24 V: green LEDs, dangerous voltages from 230 V: red LEDs
- Analog LED and backlit digital LCD display
- **2-pole rotary field indication**
- **Non contact voltage test (3 levels) (NCV)**
- Single pole phase test with acoustic indication
- Data Hold
- Diode test
- **LED flashlight**
- **Vibrate alert and beep for confident feedback in any environment**
- Auto power off

Scope of delivery: test leads, screw-contact sleeves for perfect contact in sockets, Operating manual



Technical Data	PAN Allrounder 200AD
DC voltage (V =)	0,1 V - 1500 V
AC voltage (V ~)	0,1 V - 1000 V
DC current (A =)	0,1 A - 200 A
AC current (A ~)	0,1 A - 200 A
Resistance (Ω)	1 Ω - 100 kΩ
Continuity test (•)))	< 40 Ω / < 500 kΩ
Frequency (Hz)	1 Hz - 800 Hz
Accuracy (%)	3 % - 5 %
Jaw opening ø	15 mm
Dimensions	197 x 63 x 36 mm
Weight (gross / net)	494 / 296 g
Required battery(s):	2 x 1,5V AAA
Measuring category (CAT)	CAT IV 600 V / CAT III 1000 V



PAN Allrounder 200AD Video DE: [PAN Allrounder 200AD Video EN:](#)



Digital multimeters

PAN Multistift

Pen Multimeter 600V CAT III

- LCD display with bargraph
- **Non contact voltage test (NCV)**
- Single pole phase test with acoustic indication
- **Automatic and manual range selection**
- Data Hold
- Diode test
- Auto power off

Scope of delivery: protective cover, test leads, Operating manual



Technical Data	PAN Multistift
DC voltage (V =)	0,1 mV - 600 V
AC voltage (V ~)	0,1 mV - 600 V
Resistance (Ω)	0,1 Ω - 40 M Ω
Continuity test (•)))	< 35 Ω
Accuracy (%)	1,2 % - 3 %
Dimensions	208 x 40 x 32 mm
Weight (gross / net)	110 / 100 g
Required battery(s):	2 x 1,5 V AAA
Measuring category (CAT)	CAT III 600 V / CAT II 1000 V



PAN Multistift Video DE:



PAN Multistift Video EN:



Digital multimeters

PAN 118

Digital multimeter 600V CAT III with NCV

- Digital Display 14 mm
- **Backlight**
- **Non contact voltage test (NCV)**
- **Single-pole phase tester**
- **Auto range**
- Data Hold
- Diode test
- **LED flashlight**
- Auto power off

Scope of delivery: test leads, Operating manual



Technical Data	PAN 118
DC voltage (V =)	0,1 mV - 600 V
AC voltage (V ~)	1 mV - 600 V
DC current (A =)	0,1 μA - 200 mA
AC current (A ~)	0,1 μA - 200 mA
Resistance (Ω)	0,1 Ω - 20 MΩ
Continuity test (•)))	< 50 Ω
Accuracy (%)	0,5 % - 2,0 %
Dimensions	130 x 62 x 27 mm
Weight (gross / net)	147 / 243 g
Required battery(s):	2x 1,5V AAA
Measuring category (CAT)	CAT III 600 V



PAN 118 Video DE:



PAN 118 Video EN:



Digital multimeters

PAN Micrometer Neu

Pocket multimeter 300V CAT III with autom. function selection -
Available end of 2023

- Backlit LCD display 3999
- **Non contact voltage test (3 levels) (NCV)**
- **Single-pole phase tester**
- Auto range
- Data Hold
- **LED flashlight**
- Auto power off

Scope of delivery: test leads, Operating manual



Technical Data	PAN Micrometer Neu
DC voltage (V =)	1 mV - 600 V
AC voltage (V ~)	1 mV - 600 V
Resistance (Ω)	1 Ω - 40 MΩ
Continuity test (•)))	<50 Ω
Accuracy (%)	1 - 1,2 %
Dimensions	62 x 122 x 29 mm
Weight (gross / net)	100 g
Required battery(s):	2 x 1,5V AAA
Measuring category (CAT)	CAT III 300 V / CAT II 600 V

Digital multimeters

PAN Pocketmeter

Pocket multimeter True RMS 300V CAT III

- LCD display with bargraph 21,5 mm
- **True RMS measurement**
- **Non contact voltage test (3 levels) (NCV)**
- Single pole phase test with acoustic indication
- **Auto range**
- Diode test
- **LED flashlight**
- Auto power off

Scope of delivery: protective cover, test leads, Operating manual



Technical Data	PAN Pocketmeter
DC voltage (V =)	0,1 mV - 600 V
AC voltage (V ~)	0,1 mV - 600 V
Resistance (Ω)	1 Ω - 10 M Ω
Continuity test (•)))	< 30 Ω
Frequency (Hz)	1 Hz - 1000 Hz
Capacitance (F)	0,1 μ F - 6000 μ F
Accuracy (%)	0,8 % - 4,5 %
Dimensions	149 x 71 x 16 mm
Weight (gross / net)	246 / 147 g
Required battery(s):	2 x CR2032
Measuring category (CAT)	CAT III 300 V / CAT II 600 V



PAN Pocketmeter Video DE:



PAN Pocketmeter Video EN:



Digital multimeters

PAN Micrometer

Digitalmultimeter 300V CAT III

- Digital Display 18 mm
- Data Hold
- **Battery test**
- Diode test

Scope of delivery: test leads, Operating manual



Technical Data	PAN Micrometer
DC voltage (V =)	0,1 mV - 300 V
AC voltage (V ~)	100 mV - 300 V
DC current (A =)	1 μA - 200 mA
Resistance (Ω)	0,1 Ω - 2000 kΩ
Accuracy (%)	0,5 % - 1,5 %
Dimensions	108 x 53 x 31 mm
Weight (gross / net)	234 / 95 g
Required battery(s):	12V A23
Measuring category (CAT)	CAT III 300 V



PAN Micrometer Video DE:



PAN Micrometer Video EN:



Digital multimeters

PAN Minimeter

Digitalmultimeter CAT III 600V with NCV

- Digital Display 21 mm
- **Backlight**
- **Non contact voltage test (2 levels) (NCV)**
- Single pole phase test with acoustic indication
- Data Hold
- **Battery test**
- Diode test
- **LED flashlight**
- Auto power off

Scope of delivery: test leads, Operating manual



Technical Data	PAN Minimeter
DC voltage (V =)	0,1 mV - 600 V
AC voltage (V ~)	0,1 V - 600 V
DC current (A =)	1 μ A - 10 A
Resistance (Ω)	0,1 Ω - 20 M Ω
Continuity test (•)))	< 30 Ω
Accuracy (%)	0,5 % - 1,2 %
Dimensions	148 x 72 x 47 mm
Weight (gross / net)	356 / 194 g
Required battery(s):	2x 1,5V AAA
Measuring category (CAT)	CAT III 600 V



PAN Minimeter Video DE:



PAN Minimeter Video EN:



Professional digital multimeters True RMS

PAN Profimeter

Digitalmultimeter True RMS CAT III 600V

- Digital Display 18 mm
- **Backlight**
- **True RMS measurement**
- **Non contact voltage test (2 levels) (NCV)**
- Single pole phase test with acoustic indication
- **Automatic and manual range selection**
- Data Hold
- **Battery test**
- Diode test
- **LED flashlight**
- Warning of defective fuse
- Auto power off

Scope of delivery: test leads, Operating manual



Technical Data	PAN Profimeter
DC voltage (V =)	0,1 mV - 600 V
AC voltage (V ~)	1 mV - 600 V
DC current (A =)	0,1 μA - 10 A
AC current (A ~)	0,1 μA - 10 A
Resistance (Ω)	0,1 Ω - 100 MΩ
Continuity test (•)))	< 30 Ω
Frequency (Hz)	0,001 Hz - 60 kHz
Capacitance (F)	1 pF - 100 mF
Accuracy (%)	0,7 % - 5,0 %
Dimensions	71 x 149 x 48 mm
Weight (gross / net)	367/199 g
Required battery(s):	2x 1,5V AAA
Measuring category (CAT)	CAT III 600 V



PAN Profimeter Video DE:



PAN Profimeter Video EN:



Professional digital multimeters True RMS

PAN 184

Digitalmultimeter True RMS 1000V CAT III

- Digital Display 27 mm
- **Backlight**
- **True RMS measurement**
- **Non contact voltage test (3 levels) (NCV)**
- **Single-pole phase tester**
- Data Hold
- **LED flashlight**
- Auto power off

Scope of delivery: test leads, Type-K temperature probe, Operating manual



Technical Data	PAN 184
DC voltage (V =)	0,1 mV - 1000 V
AC voltage (V ~)	1 mV - 750 V
DC current (A =)	0,01 μ A - 10 A
AC current (A ~)	10 μ A - 10 A
Resistance (Ω)	0,1 Ω - 60 M Ω
Continuity test (•)))	< 40 Ω
Frequency (Hz)	0,001 Hz - 10 MHz
Duty-cycle	5 - 95 %
Capacitance (F)	1 pF - 100 mF
Temperature ($^{\circ}$ C) (type K probe)	-20 $^{\circ}$ C - +1000 $^{\circ}$ C
Ambient temperature ($^{\circ}$ C)	0 $^{\circ}$ C - 40 $^{\circ}$ C
Accuracy (%)	0,5 % - 5 %
Dimensions	190 x 89 x 50 mm
Weight (gross / net)	633 / 341 g
Required battery(s):	4 x 1,5V AA
Measuring category (CAT)	CAT III 1000 V / CAT IV 600 V



PAN 184 Video DE:



PAN 184 Video EN:



Professional digital multimeters True RMS

PAN 186

Digitalmultimeter True RMS 1000V CAT III

- **Backlight**
- Digital Display 27 mm
- **True RMS measurement**
- **Non contact voltage test (3 levels) (NCV)**
- **Single-pole phase tester**
- **Auto range**
- Data Hold
- **LED flashlight**
- Auto power off

Scope of delivery: test leads, Type-K temperature probe, Operating manual



Technical Data	PAN 186
DC voltage (V =)	0,1 mV - 1000 V
AC voltage (V ~)	0,1 mV - 750 V
DC current (A =)	0,1 μA - 10 A
AC current (A ~)	0,1 μA - 10 A
Resistance (Ω)	0,1 Ω - 60 MΩ
Continuity test (•)))	< 40 Ω
Frequency (Hz)	0,001 Hz - 10 MHz
Duty-cycle	1 - 99 %
Capacitance (F)	1 pF - 100 mF
Temperature (°C) (type K probe)	-20 °C - +1000 °C
Ambient temperature (°C)	0 °C - 40 °C
Accuracy (%)	0,5 % - 5 %
Dimensions	194 x 90 x 56 mm
Weight (gross / net)	639 / 344 g
Required battery(s):	4 x 1,5 V AA
Measuring category (CAT)	CAT III 1000 V / CAT IV 600 V



PAN 186 Video DE:



PAN 186 Video EN:



Professional digital multimeters True RMS

PAN 188

Digitalmultimeter True RMS 1000V CAT III with Bluetooth and USB interface

- Digital Display 21 mm
- LCD display with bargraph
- **Backlight**
- **True RMS measurement**
- **Automatic and manual range selection**
- Data Hold
- **Min / Max memory**
- Diode test
- **Transistor test**
- **Relative mode (REL)**
- **Android app**
- Auto power off

Scope of delivery: protective cover, test leads, Type-K temperature probe, Bluetooth PC interface + software, Operating manual



Technical Data	PAN 188
DC voltage (V =)	0,01 mV - 1000 V
AC voltage (V ~)	0,01 mV - 750 V
DC current (A =)	0,1 μA - 10 A
AC current (A ~)	0,1 μA - 10 A
Resistance (Ω)	0,1 Ω - 60 MΩ
Continuity test (•)))	< 50 Ω
Frequency (Hz)	0,01 Hz - 10 MHz
Duty-cycle	0,1 - 99,9 %
Capacitance (F)	10 pF - 10 mF
Temperature (°C) (type K probe)	-20 °C - +1000 °C
Ambient temperature (°C)	0 °C - 40 °C
Accuracy (%)	0,7 % - 3,0 %
Dimensions	195 x 93 x 54 mm
Weight (gross / net)	948 / 358 g
Required battery(s):	4 x 1,5V AA
Measuring category (CAT)	CAT III 1000 / CAT IV 600 V



PAN 188 Video DE:



PAN 188 Video EN:



Multifunction meters

PAN 185

Multisensor meter 1000V CAT III for electric and physical quantities

- Digital Display 20 mm
- **Backlight**
- **Automatic and manual range selection**
- Data Hold
- **Relative mode (REL)**
- temperature measurement
- **Humidity measurement**
- **Light intensity measurement (Luxmeter)**
- **Sound level measurement**
- Auto power off

Scope of delivery: protective cover, test leads, Type-K temperature probe, Operating manual



Technical Data	PAN 185
DC voltage (V =)	0,1 mV - 1000 V
AC voltage (V ~)	0,1 mV - 750 V
DC current (A =)	0,1 μA - 10 A
AC current (A ~)	0,1 μA - 10 A
Resistance (Ω)	0,1 Ω - 40 MΩ
Continuity test (•)))	< 50 Ω
Frequency (Hz)	0,01 Hz - 100 kHz
Duty-cycle	1 - 99 %
Capacitance (F)	10 pF - 100 μF
Temperature (°C) (type K probe)	-20 °C - +1000 °C
Ambient temperature (°C)	0 °C - 40 °C
Humidity (% RH)	30 - 95 %
Sound (level)	35 dB - 100 dB
Luminous intensity (lux/candela)	1 Lux - 40.000 Lux
Accuracy (%)	0,7 % - 5,0 %
Dimensions	205 x 93 x 56 mm
Weight (gross / net)	852 / 359 g
Required battery(s):	4x 1,5V AA
Measuring category (CAT)	CAT III 1000 V / CAT IV 600 V



PAN 185 Video DE:



PAN 185 Video EN:



Multifunction meters

PAN LAN1

2 in 1 LAN Tester & Multimeter 300V CAT III auto range

- Digital Display 21 mm
- **Auto range**
- Data Hold
- **Maximum value memory**
- Diode test
- **LAN test for continuity, open, short and swapped leads (RJ45, RJ11, BNC)**
- Continuous test function
- Auto power off

Scope of delivery: protective cover, test leads, Operating manual



Technical Data	PAN LAN1
DC voltage (V =)	0,1 mV - 600 V
AC voltage (V ~)	1 mV - 600 V
DC current (A =)	0,1 μ A - 200 mA
AC current (A ~)	0,1 μ A - 200 mA
Resistance (Ω)	0,1 Ω - 20 M Ω
Continuity test (•)))	< 150 Ω
Accuracy (%)	0,5 % - 5 %
Dimensions	164 x 75 x 45 mm
Weight (gross / net)	619 / 216 g
Required battery(s):	1x 9V 6LR61 + 2 x 1,5 V AAA
Measuring category (CAT)	CAT II 600 V / CAT III 300 V



PAN LAN1 Video DE:



PAN LAN1 Video EN:



Multifunction meters

PAN Isometer

Digital insulation tester 4M Ω - 4000 M Ω

- LCD display with bargraph 17 mm
- **Backlight**
- Data Hold
- **Min / Max memory**
- **Visual and audible alarm for insulation measurement**
- Auto power off

Scope of delivery: test leads, suitcase, Operating manual



Technical Data	PAN Isometer
DC voltage (V =)	1 V - 1000 V
AC voltage (V ~)	1 V - 750 V
Resistance (Ω)	0,01 Ω - 400 Ω
Continuity test (•)))	< 40 Ω
Accuracy (%)	0,8 % - 2 %
Dimensions	205 x 92 x 53 mm
Weight (gross / net)	1493 / 492 g
Required battery(s):	6 x 1,5 V AA
Measuring category (CAT)	CAT III 1000 V / CAT IV 600 V
Test voltage (V)	125 - 250 - 500 - 1000 V
Test current (A)	1 mA
Insulation resistance (Ω)	1 k Ω - 4000 M Ω



PAN Isometer Video DE:



PAN Isometer Video EN:



Multifunction meters

PAN IR-MM

Digitalmultimeter True RMS + Infrared camera

- LCD display with bargraph 13 mm
- **Farb LCD-Display 2,4"**
- **IR-Resolution 80 x 80 px**
- **True RMS measurement**
- **Automatic and manual range selection**
- Data Hold
- Diode test
- **LED flashlight**
- Measurements / second: 3
- Auto power off

Scope of delivery: protective cover, test leads, Operating manual, Li-ion Battery



Technical Data	PAN IR-MM
DC voltage (V =)	0,1 mV - 600 V
AC voltage (V ~)	1 mV - 600 V
DC current (A =)	0,1 μ A - 10 A
AC current (A ~)	0,1 μ A - 10 A
Resistance (Ω)	0,1 Ω - 40 M Ω
Continuity test (•)))	< 50 Ω
Frequency (Hz)	0,01 Hz - 10 MHz
Duty-cycle	0,01 - 99,9 %
Capacitance (F)	0,01 nF - 4.000 μ F
Accuracy (%)	0,5 % - 3,0 %
Dimensions	150 x 70 x 50 mm
Weight (gross / net)	1030 / 286 g
Required battery(s):	Li-ion Akku
Measuring category (CAT)	CAT III 600 V
Infrared - Temperature measurement (°C)	-20 °C - +260 °C



PAN IR-MM Video DE:



PAN IR-MM Video EN:



Digital clamp meters AC

PAN 200A+

Smart digital clamp meter 200A AC with auto function selection

- Digital Display 13 mm
- **Backlight**
- **Non contact voltage test (NCV)**
- Single pole phase test with acoustic indication
- **Auto range**
- Data Hold
- **Resolution 1 mA**
- Auto power off

Scope of delivery: protective cover, test leads, Operating manual



Technical Data	PAN 200A+
DC voltage (V =)	0,1 V - 600 V
AC voltage (V ~)	0,1 V - 600 V
AC current (A ~)	1 mA - 200 A
Resistance (Ω)	1 Ω - 6 k Ω
Continuity test (•)))	< 50 Ω
Frequency (Hz)	40 Hz - 1000 Hz
Accuracy (%)	0,5 % - 2,5 %
Jaw opening $\varnothing$	20 mm
Dimensions	159 x 60 x 29 mm
Weight (gross / net)	316 / 122 g
Required battery(s):	2 x 1,5 V AAA
Measuring category (CAT)	CAT III 600 V



PAN 200A+ Video DE:



PAN 200A+ Video EN:



Digital clamp meters AC

PAN 124

Digital clamp meter 400A AC

- Digital Display 11 mm
- **Backlight**
- **Non contact voltage test (NCV)**
- **Single-pole phase tester**
- Data Hold
- Diode test
- **Resolution 1 mA**
- Auto power off

Scope of delivery: protective cover, test leads, Operating manual



Technical Data	PAN 124
DC voltage (V =)	0,1 mV - 600 V
AC voltage (V ~)	1 mV - 600 V
AC current (A ~)	1 mA - 400 A
Resistance (Ω)	0,1 Ω - 20 M Ω
Continuity test (•)))	< 150 Ω
Accuracy (%)	0,8 % - 3 %
Jaw opening $\varnothing$	30 mm
Dimensions	202 x 76 x 44 mm
Weight (gross / net)	505 / 230 g
Required battery(s):	1x 9V 6LR61
Measuring category (CAT)	CAT III 600 V



PAN 124 Video DE:



PAN 124 Video EN:



Digital clamp meters AC

PAN 3000A+

Flexible digital clamp meter 3000A AC True RMS with automatic function selection

- Digital Display 21 mm
- **Backlight**
- **True RMS measurement**
- **Auto range**
- Data Hold
- **LED flashlight**
- Auto power off

Scope of delivery: protective cover, test leads, Operating manual



Technical Data	PAN 3000A+
DC voltage (V =)	1 mV - 600 V
AC voltage (V ~)	1 mV - 600 V
AC current (A ~)	10 mA - 3000 A
Resistance (Ω)	1 Ω - 6 M Ω
Continuity test (•)))	< 50 Ω
Frequency (Hz)	0,1 Hz - 10 kHz
Accuracy (%)	1 % - 3 %
Jaw opening $\varnothing$	160 mm
Dimensions	176 x 335 x 30 mm
Weight (gross / net)	503 / 204 g
Required battery(s):	3 x 1,5 V AAA
Measuring category (CAT)	CAT IV 600 V



PAN 3000A+ Video DE:



PAN 3000A+ Video EN:



Digital clamp meters AC/DC

PAN 100AD+

Smart digital clamp meter 100A AC/DC with automatic function selection

- Digital Display 13 mm
- **Backlight**
- **Non contact voltage test (NCV)**
- Single pole phase test with acoustic indication
- **Auto range**
- Data Hold
- **Resolution 1 mA**
- Auto power off

Scope of delivery: protective cover, test leads, Operating manual



Technical Data	PAN 100AD+
DC voltage (V =)	0,1 V - 600 V
AC voltage (V ~)	0,1 V - 600 V
DC current (A =)	1 mA - 100 A
AC current (A ~)	1 mA - 100 A
Resistance (Ω)	1 Ω - 6 kΩ
Continuity test (•)))	< 50 Ω
Frequency (Hz)	40 Hz - 1 kHz
Accuracy (%)	0,5 % - 2,5 %
Jaw opening ø	12 mm
Dimensions	159 x 60 x 29 mm
Weight (gross / net)	322 / 111 g
Required battery(s):	2x 1,5V AAA
Measuring category (CAT)	CAT III 600 V



PAN 100AD+ Video DE:



PAN 100AD+ Video EN:



Digital clamp meters AC/DC

PAN 127

Digital clamp meter 400A AC/DC

- Digital Display 11 mm
- **Backlight**
- **Non contact voltage test (NCV)**
- **Single-pole phase tester**
- **Automatic and manual range selection**
- Data Hold
- Diode test
- **Relative mode (REL)**
- Auto power off

Scope of delivery: protective cover, test leads, Type-K temperature probe, Operating manual



Technical Data	PAN 127
DC voltage (V =)	0,1 mV - 600 V
AC voltage (V ~)	0,1 mV - 600 V
DC current (A =)	0,01 A - 400 A
AC current (A ~)	0,01 A - 400 A
Resistance (Ω)	0,1 Ω - 40 MΩ
Continuity test (•)))	< 150 Ω
Frequency (Hz)	10 Hz - 10 kHz
Duty-cycle	0,1 - 99,9 %
Capacitance (F)	0,1 μF - 100 μF
Temperature (°C) (type K probe)	-20 °C - +760 °C
Accuracy (%)	0,8 % - 3 %
Jaw opening ø	30 mm
Dimensions	202 x 76 x 44 mm
Weight (gross / net)	552 / 236 g
Required battery(s):	2 x 1,5 V AAA
Measuring category (CAT)	CAT III 600 V



PAN 127 Video DE:



PAN 127 Video EN:



Digital clamp meters AC/DC

PAN 600AD+

Smart digital clamp meter 600A AC/DC with automatic function selection

- Digital Display 13 mm
- **Backlight**
- **Non contact voltage test (NCV)**
- Single pole phase test with acoustic indication
- **Auto range**
- Data Hold
- Auto power off

Scope of delivery: protective cover, test leads, Operating manual



Technical Data	PAN 600AD+
DC voltage (V =)	1 mV - 600 V
AC voltage (V ~)	1 mV - 600 V
DC current (A =)	10 mA - 600 A
AC current (A ~)	10 mA - 600 A
Resistance (Ω)	1 Ω - 10 M Ω
Continuity test (•)))	< 50 Ω
Frequency (Hz)	0,1 Hz - 1000 Hz
Accuracy (%)	0,5 % - 3,5 %
Jaw opening $\varnothing$	24 mm
Dimensions	191 x 71 x 37 mm
Weight (gross / net)	468 / 177 g
Required battery(s):	2 x 1,5 V AAA
Measuring category (CAT)	CAT III 600 V
Frequency range (Hz)	40 Hz - 65 Hz



PAN 600AD+ Video DE:



PAN 600AD+ Video EN:



Digital clamp meters AC/DC

PAN 1000AD

Digital clamp meter 1000A AC/DC True RMS

- Digital Display 13 mm
- LCD display with bargraph
- **Backlight**
- **Color display**
- **True RMS measurement**
- **Non contact voltage test (2 levels) (NCV)**
- Single pole phase test with acoustic indication
- **Automatic and manual range selection**
- Data Hold
- **Min / Max memory**
- **Inrush current measurement**
- **Low input impedance (LoZ) to suppress stray voltages**
- Diode test
- Relative mode (REL)
- **LED flashlight**
- VFC function for measurement of real values in accordance with frequency
- Auto power off

Scope of delivery: protective cover, test leads, Type-K temperature probe, Operating manual



Technical Data	PAN 1000AD
DC voltage (V =)	0,1 mV - 1000 V
AC voltage (V ~)	0,1 mV - 750 V
DC current (A =)	0,01 A - 1000 A
AC current (A ~)	0,01 A - 1000 A
Resistance (Ω)	0,1 Ω - 60 MΩ
Continuity test (•)))	< 30 Ω
Frequency (Hz)	0,001 Hz - 10 MHz
Duty-cycle	1 - 99 %
Capacitance (F)	0,001 nF - 10 mF
Temperature (°C) (type K probe)	-20 °C - +1000 °C
Ambient temperature (°C)	0 °C - 40 °C
Accuracy (%)	0,5 % - 5 %
Jaw opening ø	40 mm
Dimensions	259 x 74 x 35 mm
Weight (gross / net)	433 / 265 g
Required battery(s):	3 x 1,5V AAA
Measuring category (CAT)	CAT III 1000 V / CAT IV 600 V



PAN 1000AD Video DE:



PAN 1000AD Video EN:



Rotary field indicators and tachometers

PAN DFA3

Motor and phase rotation indicator

- Phase sequence indication: green LED for right field and red LED for left-field
- **motor rotation direction indicator**
- **Phase indication by 3 LEDs**

Scope of delivery: protective cover, test leads, alligator clips, Operating manual



Technical Data	PAN DFA3
AC voltage (V ~)	120 V - 400 V
Dimensions	130 x 69 x 32 mm
Weight (gross / net)	602 / 130 g
Required battery(s):	9V 6F22
Measuring category (CAT)	CAT III 600 V
Frequency range (Hz)	2 Hz - 400 Hz



PAN DFA3 Video DE:



PAN DFA3 Video EN:



Cable length meters

PAN KLM30R

Cable length meter and milli-ohmmeter 0.15 - 240mm²

- Backlit LCD display 17 mm
- Data Hold
- **8 customizable presets for special cables**
- **Cable length measurement 0,1 m - 30 km**
- For copper and aluminum cables
- Automatic temperature compensation
- **Resolution 0,1 mΩ**

Scope of delivery: protective cover, test leads, alligator clips, Operating manual



Technical Data	PAN KLM30R
Resistance (Ω)	0,1 mΩ - 1999,9 Ω
Ambient temperature (°C)	-5,0 °C - +50,0 °C
Accuracy (%)	1 % - 2 %
Dimensions	213 x 101 x 66 mm
Weight (gross / net)	1094 / 458 g
Required battery(s):	6 x 1,5V AA



PAN KLM30R Video DE:



PAN KLM30R Video EN:



Cable length meters

PAN KLM-2000

Cable length meter for multipole, network and coaxial cables

- Digital Display 3000
- **Backlight**
- **Color display**
- Memory for readings
- **Cable length measurement 5 - 3000 m**
- **Impulse reflection measurement**
- For copper and aluminum cables
- Auto power off

Scope of delivery: protective cover, test leads, alligator clips, Operating manual



Technical Data	PAN KLM-2000
Accuracy (%)	0,1 % - 2 %
Dimensions	152 x 62 x 37 mm
Weight (gross / net)	503 / 184 g
Required battery(s):	2 x 1,5 AA



PAN KLM-2000 Video DE:



PAN KLM-2000 Video EN:



Line detectors

PAN Leitungssucher

Line detector and LAN tester for single conductors, telephone and network cables

- Detects conductors in walls, interruptions and short-circuits
- Acoustic signal for live conductors
- LAN test for continuity, open, short and swapped leads (RJ45, RJ11, BNC)
- Adjustable volume and sensitivity
- Headphone jack
- Various tests on phone lines
- Optical continuity test

Scope of delivery: protective cover, Operating manual, Transmitter and receiver, adaptor with alligator clips, headphones



Technical Data	PAN Leitungssucher
Dimensions	124 x 66 x 31 mm
Weight (gross / net)	565 / 180 g
Required battery(s):	1x 9V 6F22, 3 x 1,5V AAA



PAN Leitungssucher Video DE:



PAN Leitungssucher Video EN:



Line detectors

PAN Kabelfinder

Linefinder + Digitalmultimeter

- Digital Display 21 mm
- LED display of line numbers 1 to 16
- **Auto range**
- Data Hold
- **Maximum value memory**
- Diode test
- **Transmitter and receiver to uniquely identify up to 16 different individual conductors up to 10 kOhm.**

Scope of delivery: protective cover, test leads, Operating manual



Technical Data	PAN Kabelfinder
DC voltage (V =)	0,1 mV - 600 V
AC voltage (V ~)	10 mV - 600 V
DC current (A =)	0,1 μ A - 200 mA
AC current (A ~)	0,1 μ A - 200 mA
Resistance (Ω)	0,1 Ω - 20 M Ω
Continuity test (•)))	< 100 Ω
Accuracy (%)	0,5 - 2 %
Dimensions	164 x 74 x 43 mm
Weight (gross / net)	807 / 427 g
Required battery(s):	2 x 1,5 V AAA
Measuring category (CAT)	CAT II 600 / CAT III 300 V



PAN Kabelfinder Video DE:



PAN Kabelfinder Video EN:



Line detectors

PAN Stromkreisfinder

Circuit finder with RCD test 30 mA + socket tester

- With test button for 30mA RCD - Circuit Breakers
- The transmitter connected to an electrical outlet indicates power via LEDs and sends an encoded signal into the power line
- The receiver finds fuses, circuit breakers and RCD switches connected to the socket
- Automatic adaptation of the sensitivity of the receiver
- Green and red LEDs indicate whether the outlet is properly wired

Scope of delivery: protective cover, Operating manual, Transmitter and receiver



Technical Data	PAN Stromkreisfinder
Dimensions	191 x 59 x 37 mm
Weight (gross / net)	527 / 245 g
Required battery(s):	9V 6F22



PAN Stromkreisfinder Video DE: [PAN Stromkreisfinder Video EN:](#)



Line detectors

PAN Multidetector

Wood, metal and cable locator

- 125 - 250V AC
- **Non-contact indication of AC voltage by red LED and beeper**
- Fully insulated, no metallic contact
- Acoustic signal for live conductors
- Acoustic signal for neutral conductors
- **Non contact voltage test (NCV)**
- Finds accidentally plastered sockets and junction boxes
- **Finds wooden beams, metal supports and pipes in walls**
- Auto power off

Scope of delivery: Operating manual



Technical Data	PAN Multidetector
Dimensions	143 x 61 x 31 mm
Weight (gross / net)	202 / 92 g
Required battery(s):	9V 6F22



PAN Multidetector Video DE:



PAN Multidetector Video EN:



Infrared thermometers

PAN IR-T800+

Infrared thermometer 12:1 with laser indication of measuring circle

- Digital Display 7 mm
- **Backlight**
- **Color display**
- **IR-Resolution 0,1 °C**
- **Dew point display**
- Data Hold
- **Humidity measurement**
- **Mold alarm**
- **Leak test of air conditioning systems with UV light**
- Auto power off

Scope of delivery: protective cover, Type-K temperature probe, Operating manual



Technical Data	PAN IR-T800+
Temperature (°C) (type K probe)	-50 °C - +800 °C
Ambient temperature (°C)	-20 °C - 60 °C
Humidity (% RH)	0 - 100 %
Accuracy (%)	1,0 % - 5,0 %
Dimensions	164 x 102 x 48 mm
Weight (gross / net)	358 / 162 g
Required battery(s):	1x 9V 6F22
Infrared - Temperature measurement (°C)	-50 °C - +800 °C
Optical resolution	12:1
Emissivity	0,10 - 1,0
Dew point (°C)	-10 °C - +50 °C



PAN IR-T800+ Video DE:



PAN IR-T800+ Video EN:



Moisture meter

PAN Feuchtemesser

Moisture meter for wood and building materials

- Backlight
- Large LCD display for wood with 6% - 44% and building materials 0.2% - 2% moisture content
- Auto power off

Scope of delivery: Operating manual



Technical Data	PAN Feuchtemesser
Ambient temperature (°C)	0 °C - 50 °C
Dimensions	98 x 46 x 28 mm
Weight (gross / net)	138 / 63 g
Required battery(s):	4x LR44



PAN Feuchtemesser Video DE:



PAN Feuchtemesser Video EN:



Test leads and alligator clips

Test leads and alligator clips

- **PAN KK15** - alligator clips for test tips without thread
- **PAN PK1** - test leads standard
for all common multimeters + current clamps with **Ø 4mm**
sockets, l = 100cm
- **PAN PK2F** - test leads Ø 4 mm
with **spring tip** and **sealing rings** for devices with protection
class IP 67
- **PAN PK3** - test leads **long**
l = 138 cm, CAT III 1000V, CAT IV 600V 10A
- **PAN PK30R** - test leads with alligator-clamps
for **PAN KLM30R + PAN CLM33**
- **PAN PK3-DFA** - test lead set of 3 red, blue, yellow with
test probes and crocodile clips for **PAN DFA3**
- **PAN PK4** - test leads, l = 60 cm
for **PAN Micrometer** CAT III 1000V, CAT IV 600V 10A
- **PAN PK-MULTISTIFT** - test leads black (1pcs.)
for **PAN Multistift**, PAN 17, PAN 18
- **PAN PK 183-387 A.V.** - test leads **old version Ø 10mm**
for PAN 183, 185, 187T, 285, 387 ALT



Temperature sensor type K (NiCrNi)

Temperature sensor type K (NiCrNi)

- **PAN FLÄCHENFÜHLER**
Temperature sensor type K -50° - +500°C
- **PAN PUNKTFÜHLER-SET**
Temperature sensor type K -50° - +400°C + Adaptor for connection to multimeter
- **PAN TAUCHFÜHLER**
Temperature-sensor type K, -50° - +600°C, l = 150 mm
- **PAN TE-ADP**
Adapter for Temperature sensor type K



Fuses

Sicherungen

- **SI 0,25A600V5X20** - Fuse F 0,25A 600V 5x20mm
for PAN 118 new, Minimeter
- **SI 0,25A600V6X30** - Fuse F 0,25A 600V 6 x 30 mm
for PAN 5500, PAN ISOMETER
- **SI 0,2A250V5X20** - Fuse F 0,2A 250V 5 x 20mm
for PAN 184 old
- **SI 0,2A400V5X20** - Fuse FF 0,2A 400V 5x20 mm
- **SI 0,2A600V5X20** - Fuse F 0,2A 600V 5 x 20 mm
for PAN 118 new, 184 old , Kabelfinder, LAN1, Micro, Mini, Profi
old
- **SI 0,315A400V5X20** - Fuse FF 0,315A 400V 5x20 mm
- **SI 0,4A1000V6,3X32** - Fuse F 0,4A 1000V 6,3x32 mm
for PAN 185 new
- **SI 0,5A1000V6,3X32** - Fuse FF 0,5A 1000V 6,3x32mm
for PAN 186 old, 188 old, 189USB, Multicar, Leitungsfinder
- **SI 0,5A660V5X20** - Fuse FF 0,5A AC 660V 5 x 20 mm
for PAN 185 old
- **SI 0,6A1000V6,3X32** - Fuse F 0,6A 1000V 6,3x32mm
for PAN 184, 186, 188 new
- **SI 0,6A600V5X20** - Fuse F 0,6A 600V 5x20mm
for PAN Profimeter new
- **SI 0,8A1000V6,3X32** - Fuse FF 0,8A 1000V 6,3 x 32mm
for PAN 187LCR, OSCIMETER
- **SI 10A1000V10X38** - Fuse 10A 1000V 10 x 38mm
for PAN 186 ALT, 188 ALT, 189USB, OSCIMETER
- **SI 10A1000V6,3X32** - Fuse F 10A 1000V 6,3x32mm
for PAN 184, 185, 186, 188 new
- **SI 10A250V6,35X25** - Fuse F 10A 250V 6,35 x 25mm
for PAN 184 old
- **SI 10A600V5X20** - Fuse F 10A 600V 5 x 20mm
for PAN Minimeter old+new, PAN Profimeter alt+neu
- **SI 10A600V6,3X32** - Fuse F 10A 600V 6,3 x 32,0mm
for PAN 185 old, Multicar
- **SI 10A600V6X25** - Fuse F 10A 600V 6 x 25 mm
for PAN 184 old
- **SI 15A600V10,3X38** - Fuse F 15A 600V AC 10,3 x 38mm
for PAN 183/ 185/ 187T/ 285/ 387 alte Serie
- **SI 1A600V6X25** - Fuse F 1A 600V AC 6 x 25 mm
for PAN 70A, 70B, 70D
- **SI 20A250V6,3X32** - Fuse 20A 250V 6,3 x 32mm
for PAN Multicar
- **SI 20A250V6X25** - Fuse 20A 250V 6 x 25 mm
for PAN 184 old
- **SI 2A600V10X35** - Fuse F 2A 600V AC 10,3 x 35 mm
for PAN 183/ 185/ 187T/ 285/ 387 old series



Bags

Bags

- **PAN TASCHE 1**

Bag small (19 x 12 x 4 cm) for PAN Micro-, Mini-, Profimeter, 118, 100AD+, 200A+, Multidetector

- **PAN TASCHE 2**

Bag slim (22 x 11 x 4 cm) for PAN Multistift, Stromkreisfinder, 600AD+

- **PAN TASCHE 3**

Bag large (29 x 9 x 5,5 cm) for PAN MV-690A+B, MV-1000AD, Volttester 400+400FI, Allrounder 200AD

- **PAN TASCHE 4**

Bag medium-sized (20 x 12,5 x 6 cm) for PAN 184, 186, 187, 189

- **PAN TASCHE 5**

Bag X large (20 x 14 x 6 cm) for PAN 185, 188, CLM33



POS display

PAN Pultdisplay

POS display for sales & showrooms

Perfect theft protection through empty boxes!

Included:

7 hooks, 7 label holders, empty boxes (on request)
If required, please order additional hooks.

Dimensions: 300 x 533 x 180 mm (W x H x D)

Weight: approx 3.5kg



Overview voltage and continuity testers

	 PAN 2000	 PAN Voltfinder	 PAN Volttester 400	 PAN Volttester 400FI	 PAN MV-1000A	 PAN MV-1000AD	 PAN Allrounder 200AD
Measurement functions (max. value)							
AC voltage (V ~)	12 V - 250 V	12 V - 1000 V	6 - 12 - 24 - 50 V - 120 - 230 - 400 V	6 - 12 - 24 - 50 V - 120 - 230 - 400 V	12 - 24 - 50 - 120 - 230 - 400 - 690 - 1000 V	12 - 24 - 50 - 120 - 230 - 400 - 690 - 1000 V	0,1 V - 1000 V
DC voltage (V =)	12 V - 36 V		6 - 12 - 24 - 50 V - 120 - 230 - 400 V	6 - 12 - 24 - 50 V - 120 - 230 - 400 V	12 - 24 - 50 - 120 - 230 - 400 - 690 - 1000 V	12 - 24 - 50 - 120 - 230 - 400 - 690 - 1000 V	0,1 V - 1500 V
Continuity test (•)))					< 400 kΩ	< 400 kΩ	< 40 Ω / < 500 kΩ
Resistance (Ω)						1 Ω - 1999 Ω	1 Ω - 100 kΩ
Accuracy (%)						3,0 % - 5,0 %	3 % - 5 %
Frequency (Hz)							1 Hz - 800 Hz
DC current (A =)							0,1 A - 200 A
AC current (A ~)							0,1 A - 200 A
Basic functions							
Powerbutton with battery status indicator		✓					
Measuring category (CAT)		CAT III 1000 V	CAT III 400 V	CAT III 400 V	CAT III 1000 V / CAT IV 600 V	CAT III 1000 V / CAT IV 600 V	CAT IV 600 V / CAT III 1000 V
2-pole rotary field indication					✓	✓	✓
Single pole phase test with acoustic indication					✓	✓	✓
Data Hold						✓	✓
Jaw opening ∅							15 mm
Non contact voltage test (3 levels) (NCV)							✓
Display							
Analog LED and backlit digital LCD display						✓	✓

Overview digital multimeters 1/2

	 PAN 118	 PAN Micrometer Neu	 PAN Pocketmeter	 PAN Micrometer	 PAN Minimeter	 PAN Profimeter
Basic functions						
Data Hold	✓	✓		✓	✓	✓
Single-pole phase tester	✓	✓				
Auto range	✓	✓	✓			
Non contact voltage test (NCV)	✓					
Measuring category (CAT)	CAT III 600 V	CAT III 300 V / CAT II 600 V	CAT III 300 V / CAT II 600 V	CAT III 300 V	CAT III 600 V	CAT III 600 V
Non contact voltage test (3 levels) (NCV)		✓	✓			
True RMS measurement			✓			✓
Single pole phase test with acoustic indication			✓		✓	✓
Non contact voltage test (2 levels) (NCV)					✓	✓
Automatic and manual range selection						✓
Display						
Digital Display	14 mm			18 mm	21 mm	18 mm
Backlight	✓				✓	✓
Backlit LCD display		3999				
Measurement functions (max. value)						
Resistance (Ω)	0,1 Ω - 20 M Ω	1 Ω - 40 M Ω	1 Ω - 10 M Ω	0,1 Ω - 2000 k Ω	0,1 Ω - 20 M Ω	0,1 Ω - 100 M Ω
DC voltage (V =)	0,1 mV - 600 V	1 mV - 600 V	0,1 mV - 600 V	0,1 mV - 300 V	0,1 mV - 600 V	0,1 mV - 600 V
AC voltage (V ~)	1 mV - 600 V	1 mV - 600 V	0,1 mV - 600 V	100 mV - 300 V	0,1 V - 600 V	1 mV - 600 V
DC current (A =)	0,1 μ A - 200 mA			1 μ A - 200 mA	1 μ A - 10 A	0,1 μ A - 10 A
Accuracy (%)	0,5 % - 2,0 %	1 - 1,2 %	0,8 % - 4,5 %	0,5 % - 1,5 %	0,5 % - 1,2 %	0,7 % - 5,0 %
AC current (A ~)	0,1 μ A - 200 mA					0,1 μ A - 10 A
Continuity test (•)))	< 50 Ω	<50 Ω	< 30 Ω		< 30 Ω	< 30 Ω
Frequency (Hz)			1 Hz - 1000 Hz			0,001 Hz - 60 kHz
Capacitance (F)			0,1 μ F - 6000 μ F			1 pF - 100 mF

Overview of digital multimeters 2/2

							
	PAN Multistift	PAN 184	PAN 185	PAN 186	PAN 188	PAN LAN1	PAN Isometer
Basic functions							
Non contact voltage test (NCV)	✓						
Data Hold	✓	✓	✓	✓	✓	✓	✓
Automatic and manual range selection	✓		✓		✓		
Measuring category (CAT)	CAT III 600 V / CAT II 1000 V	CAT III 1000 V / CAT IV 600 V	CAT III 1000 V / CAT IV 600 V	CAT III 1000 V / CAT IV 600 V	CAT III 1000 V / CAT IV 600 V	CAT II 600 V / CAT III 300 V	CAT III 1000 V / CAT IV 600 V
Single pole phase test with acoustic indication	✓						
True RMS measurement		✓		✓	✓		
Non contact voltage test (3 levels) (NCV)		✓		✓			
Single-pole phase tester		✓		✓			
Auto range				✓		✓	
Min / Max memory					✓		✓
Measurement functions (max. value)							
Accuracy (%)	1,2 % - 3 %	0,5 % - 5 %	0,7 % - 5,0 %	0,5 % - 5 %	0,7 % - 3,0 %	0,5 % - 5 %	0,8 % - 2 %
DC voltage (V =)	0,1 mV - 600 V	0,1 mV - 1000 V	0,1 mV - 1000 V	0,1 mV - 1000 V	0,01 mV - 1000 V	0,1 mV - 600 V	1 V - 1000 V
AC voltage (V ~)	0,1 mV - 600 V	1 mV - 750 V	0,1 mV - 750 V	0,1 mV - 750 V	0,01 mV - 750 V	1 mV - 600 V	1 V - 750 V
Resistance (Ω)	0,1 Ω - 40 MΩ	0,1 Ω - 60 MΩ	0,1 Ω - 40 MΩ	0,1 Ω - 60 MΩ	0,1 Ω - 60 MΩ	0,1 Ω - 20 MΩ	0,01 Ω - 400 Ω
Continuity test (•)))	< 35 Ω	< 40 Ω	< 50 Ω	< 40 Ω	< 50 Ω	< 150 Ω	< 40 Ω
Frequency (Hz)		0,001 Hz - 10 MHz	0,01 Hz - 100 kHz	0,001 Hz - 10 MHz	0,01 Hz - 10 MHz		
Capacitance (F)		1 pF - 100 mF	10 pF - 100 μF	1 pF - 100 mF	10 pF - 10 mF		
DC current (A =)		0,01 μA - 10 A	0,1 μA - 10 A	0,1 μA - 10 A	0,1 μA - 10 A	0,1 μA - 200 mA	
AC current (A ~)		10 μA - 10 A	0,1 μA - 10 A	0,1 μA - 10 A	0,1 μA - 10 A	0,1 μA - 200 mA	
Temperature (°C) (type K probe)		-20 °C - +1000 °C	-20 °C - +1000 °C	-20 °C - +1000 °C	-20 °C - +1000 °C		
Sound (level)			35 dB - 100 dB				
Humidity (% RH)			30 - 95 %				
Luminous intensity (lux/candela)			1 Lux - 40.000 Lux				
Display							
Digital Display		27 mm	20 mm	27 mm	21 mm	21 mm	
Backlight		✓	✓	✓	✓		✓

Overview clamps 1/2

	 PAN 124	 PAN 200A+	 PAN 3000A+
Basic functions			
Jaw opening ø	30 mm	20 mm	160 mm
Non contact voltage test (NCV)	✓	✓	
Data Hold	✓	✓	✓
Measuring category (CAT)	CAT III 600 V	CAT III 600 V	CAT IV 600 V
Single-pole phase tester	✓		
Auto range		✓	✓
Single pole phase test with acoustic indication		✓	
True RMS measurement			✓
Display			
Digital Display	11 mm	13 mm	21 mm
Backlight	✓	✓	✓
Measurement functions (max. value)			
Resistance (Ω)	0,1 Ω - 20 MΩ	1 Ω - 6 kΩ	1 Ω - 6 MΩ
DC voltage (V =)	0,1 mV - 600 V	0,1 V - 600 V	1 mV - 600 V
AC voltage (V ~)	1 mV - 600 V	0,1 V - 600 V	1 mV - 600 V
Accuracy (%)	0,8 % - 3 %	0,5 % - 2,5 %	1 % - 3 %
AC current (A ~)	1 mA - 400 A	1 mA - 200 A	10 mA - 3000 A
Continuity test (•)))	< 150 Ω	< 50 Ω	< 50 Ω
Frequency (Hz)		40 Hz - 1000 Hz	0,1 Hz - 10 kHz

Overview clamps 2/2

	 PAN 100AD+	 PAN 127	 PAN 600AD+	 PAN 1000AD
Basic functions				
Data Hold	✓	✓	✓	✓
Auto range	✓		✓	
Jaw opening $\varnothing$	12 mm	30 mm	24 mm	40 mm
Non contact voltage test (NCV)	✓	✓	✓	
Measuring category (CAT)	CAT III 600 V	CAT III 600 V	CAT III 600 V	CAT III 1000 V / CAT IV 600 V
Single pole phase test with acoustic indication	✓		✓	✓
Automatic and manual range selection		✓		✓
Single-pole phase tester		✓		
Min / Max memory				✓
Non contact voltage test (2 levels) (NCV)				✓
True RMS measurement				✓
Display				
Digital Display	13 mm	11 mm	13 mm	13 mm
Backlight	✓	✓	✓	✓
Measurement functions (max. value)				
DC voltage (V =)	0,1 V - 600 V	0,1 mV - 600 V	1 mV - 600 V	0,1 mV - 1000 V
AC voltage (V ~)	0,1 V - 600 V	0,1 mV - 600 V	1 mV - 600 V	0,1 mV - 750 V
DC current (A =)	1 mA - 100 A	0,01 A - 400 A	10 mA - 600 A	0,01 A - 1000 A
Resistance (Ω)	1 Ω - 6 k Ω	0,1 Ω - 40 M Ω	1 Ω - 10 M Ω	0,1 Ω - 60 M Ω
Frequency (Hz)	40 Hz - 1 kHz	10 Hz - 10 kHz	0,1 Hz - 1000 Hz	0,001 Hz - 10 MHz
Accuracy (%)	0,5 % - 2,5 %	0,8 % - 3 %	0,5 % - 3,5 %	0,5 % - 5 %
AC current (A ~)	1 mA - 100 A	0,01 A - 400 A	10 mA - 600 A	0,01 A - 1000 A
Continuity test (•)))	< 50 Ω	< 150 Ω	< 50 Ω	< 30 Ω
Capacitance (F)		0,1 μ F - 100 μ F		0,001 nF - 10 mF
Temperature ($^{\circ}$C) (type K probe)		-20 $^{\circ}$ C - +760 $^{\circ}$ C		-20 $^{\circ}$ C - +1000 $^{\circ}$ C



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