

Car Measuring Device



In the automotive industry, lots of car testers are used, for example for testing the ignition, to detect air conditioner leakages or for high-pressure tests in diesel-fuelled vehicles. Endoscopes, for instance, are used in a wide range of applications. Places which are difficult to access can be viewed by means of an endoscope without any problems. A multimeter also gives important information and is a valuable device to search for errors in electronic systems effectively. Car testers are essential particularly in maintenance and servicing of cars.

We offer all-in-one devices with a wide variety of functions which are therefore very popular with car specialists.

PCE-AT 5

Tachometer f. Two-/Four-Stroke Eng.

- measures the revolutions of all common combustion motors with electric ignition (1 cylinder two-stroke ... 8 cylinders four-stroke)
- 1.10 m test lead with inductive clip to place on ignition cable
- display with backlight
- with torch



TECHNICAL SPECIFICATIONS

| | |
|-------------------|---|
| Meas. range | 100 ... 20,000 RPM (suitable for combustion engines 1 cylinder two-stroke ... 8 cylinders four-stroke) |
| Resolution | 1 RPM |
| Accuracy | ±10 RPM |
| Measuring adaptor | crocodile clip with 1.1 m cable |
| Sampling rate | 0.5 s |
| Case | ABS plastic |
| Display | LCD, 6 digits, backlight |
| Functions | torch |
| Power supply | 1 x 9 V block battery |
| Operating cond. | 0 ... +50 °C |
| Dimensions | 160 x 58 x 39 mm |
| Weight | 177 g |

INCLUDES

Tachometer, test lead with inductive clip, battery, instruction manual

| ITEM NO. | ITEM |
|------------|------------|
| K-PCE-AT 5 | tachometer |

PCE-BTT 1

Tooth Belt Tension Tester

- to test and adjust the tooth belts
- measures tension of nearly all types of vehicles, in line with manufacturer specifications
- sensor can be attached to the tooth belt with one hand
- Automatic Power Off after 5 min



TECHNICAL SPECIFICATIONS

| | |
|----------------------|--|
| Measurement range | 0 ... 750 N / 0 ... 120 lb / 0 ... 77 Kg / 0 ... 114 seem |
| Resolution | 0.1 N |
| Accuracy | ±5 % |
| Functions | Automatic Power Off |
| Display | Low, OK, Hi / digital |
| Max. belt width | 36 mm |
| Overload alarm | 750 N |
| Max. capacity | 850 N |
| Cable length | 1.4 m |
| Assembly | one-hand assembly of sensor |
| Power supply | 4 x 1.5 V AAA |
| Operating conditions | 0 ... +50 °C, <85 % RH |
| Dimensions | 35 x 62 x 33 mm |
| Weight | 335 g |

INCLUDES

Belt tension tester, sensor with 1.4 m cable, 4 batteries, carrying case, instruction manual

| ITEM NO. | ITEM |
|-------------|------------------|
| K-PCE-BTT 1 | tooth belt meter |

PCE-BST 1

Brake Service Tool for many Vehicles

- opens and closes the parking brake
- reads / deletes trouble codes for vehicles with electronic parking brake; suitable for EPB, SBC and PBM systems
- brake leak detection; indication of brake fluid change; adjustment of brake lining thickness
- emergency release test / engine control unit (ECU) and brake warning light can be reset



TECHNICAL SPECIFICATIONS

| | |
|------------------|---|
| Types of vehicle | Mercedes Benz E211/E219 (until 06), R230, S221(until 07), VW Passat (from 05), Audi A5 (from 07), A6/A8 (from 04), Volvo XC70 (08-09), XC60 (09), V70 (08-09), S80 (07-09), Ford Focus C-MAX (02, 07), LS (03-06) |
| Parking brake | opens / closes |
| Systems | suitable for EPB, SBC and PBM |
| Emerg. rel. test | yes |
| Display | LC display, adjustable contrast |
| Interface | OBDII / USB |
| Power supply | 8 ... 18 volts (via OBD interface) |
| Operating cond. | 0 ... +60 °C |
| Dimensions | 185 x 85 x 35 mm |
| Weight | 750 g |

INCLUDES

Elektronic brake service tool, bag, OBD2 connection cable, USB cable, instruction manual

| ITEM NO. | ITEM |
|-------------|--------------------|
| K-PCE-BST 1 | brake service tool |

Car Measuring Device

PCE-OBD 2

Diagnostic Scanner for all OBD II Vehicles of Common Producers

- readout of live data and trouble codes / Interne Fehlercode-Tabelle
- freeze frame information / graphical indication of processes, e. g. revolutions during live data recording
- readout of the VIN for all vehicles from year of manufacture 2002 supporting Mode 9
- considerable information about all sensors of the engine control
- large LC display with backlight and adjustable contrast
- clear text error indication in English / trouble code updates available for free download



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seller

TECHNICAL SPECIFICATIONS

| | |
|----------------------|--|
| Readable odes | OBD codes and manufacturer-specific codes P0, P2, P3, U0, U1 |
| Protocols | KW 2,000, CAN, PWM, VPW and ISO9141 |
| Vehicles supported | US vehicles from 1996 with OBD-II European/Asian vehicles from 2001 with OBD-II (Diesel from '04) |
| Display | 160 x 105 pixel-LCD with backlight and adjustable contrast |
| Additional functions | graphical indication of processes, e. g. RPM during live data recording, live data recording and internal indication via display, broad sensor information about all important sensors of the engine control |
| Interface | USB |
| Operating cond. | 0 ... +60 °C |
| Power supply | external: 8 ... 18 V via vehicle battery / internal: 9 V block |
| Dimensions | 185 x 85 x 35 mm |
| Weight | 650 g |

INCLUDES

Vehicle diagnostic scanner, OBD 2 connection cable, data cable, 9 V block battery (internal), instruction manual

| ITEM NO. | ITEM |
|-------------|----------------------------|
| K-PCE-OBD 2 | vehicle diagnostic scanner |

NT100

OBD2 Data Logger f. Engine Damage

- works for OBD II / EOBD cars, SUVs, mini vans and vans up to 7.5 t gross vehicle weight / memory capacity 8 MB
- complete OBDII support with CAN compatibility
- shows 4 engine PIDs in one display
- resets the MIL



FOXWELL

TECHNICAL SPECIFICATIONS

| | |
|----------------------|---|
| Memory capacity | 8 MB |
| Runtime | max. 300 h |
| Sampling rate | 1 s |
| Accuracy | ±2 s/day |
| Protocols | supported: J1859-41,6, J1850-10.4, ISO9141, KWP2000 (ISO 14230), and CAN (Control Area Network ISO 11898) |
| Interface | vehicle OBD2 plug with 16 pins PC: USB 2.0 |
| Power supply | external: 8 ... 18 V from car or computer internal: Li battery |
| Operating conditions | -40 ... +85 °C |
| Dimensions | 46 x 27 x 45 mm |
| Weight | 28 g |

INCLUDES

Data logger, vehicle monitor, USB cable, instruction manual

| ITEM NO. | ITEM |
|----------|------------|
| K-NT100 | OBD logger |

NT600

OBD Diagnostic Scanner

- detects engine, ABS, transmission and airbag damage
- for American, Asian and European vehicles
- works for OBD I / OBD II vehicles, SUVs, mini vans and vans up to 7.5 t gross vehicle weight
- CAN compatible



TECHNICAL SPECIFICATIONS

| | |
|----------------------|--|
| Tests | engine ABS, gearbox and airbag of American, Asian and European cars |
| Display | 128 x 64 pixels, backlight |
| Menu navigation | several languages |
| Power supply | external: 8 ... 18 V via car battery internal: 4 x 1.5 V AA batteries |
| Operating conditions | 0 ... +60 °C |
| Dimensions / weight | 35 x 98 x 210 mm / 1.0 kg |

INCLUDES

OBD diagnostic scanner, USB cable, connection cable, plug, instruction manual

| ITEM NO. | ITEM |
|----------|---------------------|
| K-NT600 | trouble code reader |



ADD750

Ignition Coil Tester

- measures the ignition voltage and arc duration
- adjustable sensitivity
- optical and acoustic signal
- easy to handle / quick results



TECHNICAL SPECIFICATIONS

| | |
|----------------------|--|
| Indications | LED red: arc duration is incorrect LED green: arc duration is correct |
| Auto Power Off | after 2 min |
| Power supply | 3 V CR2032 button cell |
| Operating conditions | 0 ... +60 °C |
| Dimensions | 320 x 130 x 25 mm |
| Weight | 85 g |

INCLUDES

Ignition coil tester, probe, signal receiver, instruction manual

| ITEM NO. | ITEM |
|----------|----------------------|
| K-ADD750 | ignition coil tester |



ADD760

Ignition Coil Tester

- measures the ignition voltage / indicates polarity
- probe extension makes ignition cable easily accessible
- test or measuring mode selectable
- easily readable LC display



TECHNICAL SPECIFICATIONS

| | |
|------------------|--|
| Indications | one LED to show a spark two LEDs to show polarity |
| Recognition | in quick check mode only from 5 kV, |
| Measuring mode | selectable |
| Display | LCD |
| Auto Power Off | after 30 s |
| Power supply | 3 x CR2016 button cells |
| Operating cond. | 0 ... +60 °C |
| Dimens. / weight | 320 x 130 x 25 mm / 85 g |

INCLUDES

Ignition coil tester, probe, signal receiver, manual

| ITEM NO. | ITEM |
|----------|----------------------|
| K-ADD760 | ignition coil tester |



Car Measuring Device

MBT 261

Car Battery Tester 6 V and 12 V

- resilient design / scale display
- easy operation by means of rocker switch
- starter and charging circuit measurements possible
- battery is even tested during operation



TECHNICAL SPECIFICATIONS

| | |
|-------------------|---|
| Measuring objects | 6 V and 12 V starter batteries |
| Load current | 100 A |
| Display | pointer instrument with different scales 6 V, 12 V, load current, operation via rocker switch |
| Dimensions | 340 x 180 x 90 mm |
| Weight | 1,500 g |

INCLUDES

Car battery tester, instruction manual

| ITEM NO. | ITEM |
|-----------|------------------------|
| K-MBT 261 | vehicle battery tester |



MBT 101

Car Battery Tester for 12 V Car Batt.

- automatic test process / measurement within 1 s
- different standards selectable: SAE, DIN, EN
- five-stage good/poor indication
- clear text and LED indication



TECHNICAL SPECIFICATIONS

| | |
|---------------------|---|
| Measuring object | 12 V starter batteries |
| Battery norms | SAE, DIN, EN |
| Cold cranking amps | 130 ... 1,250 A |
| Display | 4-digit 7-segment display and LED indicator |
| Meas. cable length | 750 mm |
| Power supply | 9 V block battery |
| Dimensions / weight | 180 x 90 x 40 mm / 450 g |

INCLUDES

Battery tester, protective holster, battery, manual

| ITEM NO. | ITEM |
|-----------|------------------------|
| K-MBT 101 | vehicle battery tester |



ADD8630

Battery Tester up to 18 V with Printer

- automatic analysis
- long connection cable
- integrated printer



TECHNICAL SPECIFICATIONS

| | |
|----------------------|---|
| Voltage range | 9 ... 18 V |
| Accuracy | ±0.5 mΩ |
| Standards | CCA, IEC, EN, JIS, DIN |
| | battery health and discharge condition, voltage |
| Test frequency | 100 Hz |
| Operating conditions | 0 ... +50 °C |
| Dimensions | 37 x 103 x 207 mm |

INCLUDES

Vehicle battery tester, case, print paper, manual

| ITEM NO. | ITEM |
|-----------|--------------------|
| K-ADD8630 | car battery tester |



PCE-S 41

Electronic Stethoscope

- ideal for maintenance and servicing
- localisation of bearing, machine and equipment damage
- headphones protect from background noises
- continuous volume control
- two screwable sensors (70 + 290 mm)



TECHNICAL SPECIFICATIONS

| | |
|-----------------|--|
| Frequency range | 100 Hz ... 10 kHz |
| Volume | adjustable |
| Speaker | 8 W |
| Operating cond. | -10 ... +55 °C |
| Power supply | 1 x 9 V block (incl.) for approx. 30 h of operation |
| Case | ABS plastic |
| Headphones | 3.5 mm jackl plug, adjustable headband |
| Dimensions | device: 206 x 50 x 32 mm sensor: 1 x 290 mm ; 1 x 70 mm (length) |
| Sensor material | steel |
| Weight | 240 g incl. battery |

INCLUDES

Stethoscope, headphones, 1 m cable, sensors (length: 70 and 290 mm), battery, carrying bag, manual

| ITEM NO. | ITEM |
|------------|------------------------|
| K-PCE-S 41 | electronic stethoscope |

ADD350D

Engine Stethoscope w. Crocodile Clip

- easy to handle
- 2 channels
- broad frequency range
- headphones included
- quick results



TECHNICAL SPECIFICATIONS

| | |
|----------------------|--------------------------|
| Frequency range | 30 Hz ... 15 kHz |
| Output capacity | adjustable (80 levels) |
| LE display | battery / power / volume |
| Max. output voltage | 250 mV |
| Operating conditions | -10 ... +45 °C |
| Probe length | 29 cm |
| Power supply | 2 x AAA / LR03 |
| Dimensions | 125 x 81 x 30 mm |

INCLUDES

Stethosc., probe, tongs, batteries, headphones, manual

| ITEM NO. | ITEM |
|-----------|--------------------|
| K-ADD350D | engine stethoscope |



ADD3500

Stethoscope - Vehicle Noise Detector

- vehicle noise detector to detect sources of disturbance
- 6 very sensitive microphones
- headphones included
- with integrated speakers



TECHNICAL SPECIFICATIONS

| | |
|------------------------|--|
| Display | level display via 12 LEDs |
| Operating conditions | -10 ... +45 °C |
| Power supply | receiver: 6 x AA transmitter: 4 x AAA |
| Dimensions receiver | 265 x 210 x 50 mm |
| Dimensions transmitter | 57 x 157 x 35 mm |

INCLUDES

Vehicle noise detector, transmitter, clamping tongs, cable tie, batteries for receiver and transmitter, tape, headphones, carrying case, instruction manual

| ITEM NO. | ITEM |
|-----------|-------------|
| K-ADD3500 | Stethoscope |



Car Measuring Device

PCE-LES 100

LED Stroboscope up to 99,990 RPM

- pulse doubling and separation possible
- tripod connection / light-weight, handy case
- one-hand operation via 6 keys
- 60 ... 99,990 flashed
- battery life 11 h



TOP
seller

TECHNICAL SPECIFICATIONS

| | |
|----------------------|--|
| Measurement range | 60 ... 99,990 rpm 1 ... 1,666 Hz |
| Display | 5-digit LED display |
| Flash pulse | doubling and separation possible / fine adjustment |
| Phase shifting | yes, 0 ... 360° |
| Accuracy | 60 ... 17,300: ±1 LSD 17,300 ... 99,990: ±0.009 % |
| Lamp | LED |
| Illuminance | 370 lux at 50 cm |
| Power supply | 2 x AA batteries |
| Operating conditions | -10 ... 50 °C |
| Dimensions / weight | 124 x 71 x 33 mm / 173 g |

INCLUDES

Vehicle stroboscope lamp, batteries, protective bag, instruction manual

| ITEM NO. | ITEM |
|---------------|-------------|
| K-PCE-LES 100 | stroboscope |

OPTIONAL ACCESSORIES

| | |
|--------|--------|
| K-STAT | tripod |
|--------|--------|

MDB01M

Ignition Light Gun

- to check petrol and diesel engines
- measures dwell angle and ignition control
- revolution / voltage measurement
- comes in carrying case
- measures start of fuel delivery and advance corrector
- powered by microprocessor



STANLEY

TECHNICAL SPECIFICATIONS

| | |
|------------------|--------------------|
| Ignition control | 0.1° ... 99.9° |
| Revolutions | 300 ... 9,999 RPM |
| Dwell angle | 0° ... 60° |
| Display | LED |
| Voltage | 10 V ... 18 V |
| Weight | 3.0 kg |
| Packaging | in protective case |

INCLUDES

Automotive tester with petrol cable, diesel cable set with piezo clamp, carrying case, instruction manual

| ITEM NO. | ITEM |
|----------|--------------------|
| K-MDB01M | ignition light gun |



MDG83M

Ignition Timing Gun

- to test petrol engines
- measures ignition control, revolutions, voltage
- tests contact breaker and dwell angle
- powered by processor



STANLEY

TECHNICAL SPECIFICATIONS

| | |
|------------------|--------------------|
| Ignition control | 0.1° ... 99.9° |
| Revolutions | 300 ... 9,999 RPM |
| Dwell angle | 0° ... 99° |
| Voltage | 10 V ... 18 V |
| Display | LC display |
| Weight | 1.5 kg |
| Packaging | in protective case |

INCLUDES

Ignition timing gun, adaptor cable with needle clamp, petrol cable set with inductive clamp, case, manual

| ITEM NO. | ITEM |
|----------|---------------------|
| K-MDG83M | ignition timing gun |



PCE-SG

Refractometer for Antifreeze Agent

- quickly and easily determines the proportion of antifreeze agent in solutions
- suitable for industrial and automotive purposes
- handy, gives accurate readings



TECHNICAL SPECIFICATIONS

| | |
|-------------------|--|
| Measurement range | 0 ... -50 °C coolant / antifreeze agent, 0 ... -40 °C cleaning agent 1.15 ... 1.30 s. g. battery acid content |
| Resolution | 5 °C antifreeze agent 5 °C cleaning agent 0.01 s. g. battery acid content |
| Accuracy | ±5 °C antifreeze agent ±5 °C cleaning agent ±0.01 s. g. battery acid content |
| Temperature comp. | no |
| Dimensions | 157 x Ø 29 mm |
| Weight | 230 g |

INCLUDES

Refractometer, pipette, screwdriver, carrying box, instruction manual

ITEM NO. ITEM

K-PCE-SG refractometer

OPTIONAL ACCESSORIES

K-R-COV plastic folding lid
K-R-COV-R plastic folding lid incl. ring

PKH 2.0

Pedal Force Meter for Brake Pedals

- range of 0 ... 1,500 N for compressive forces
- various readout possibilities
- for cars and trucks
- mechanical overload protection



TECHNICAL SPECIFICATIONS

| | |
|----------------------|--|
| Nominal load | 0 ... 1,500 N |
| Accuracy | 0.5 % f.s. |
| Protection class | IP 65 |
| Display | 12 digits, 2 lines, LC display |
| Case | ABS (IP 40 protection) |
| Functions | mechanical overload protection |
| Approval | APK approved (Netherlands) |
| Power supply | 4 x AA batteries |
| Operating conditions | 0 ... +50 °C |
| Dimensions | (pedal force meter) 50 mm (W) x 70 mm (L) x 27 mm (H) (hand-held terminal) 78 mm (W) x 145 mm (L) x 44 mm (H) |

INCLUDES

Pedal force meter (0 ... 1,500 N), hand-held terminal HT 6.0, instruction manual

ITEM NO. ITEM

K-PKH 2.0 pedal force meter

OPTIONAL ACCESSORIES

K-CAL-FG calibration certificate

PCE-CT 25

Car Paint Thickness Gauge (Fe / nFe)

- measures on steel / ferrous and non-ferrous metals
- integrated probe, easy to clean
- easy to operate (even for unexperienced persons)
- Automatic Power Off



TECHNICAL SPECIFICATIONS

| | |
|----------------------|---|
| Measurement range | 0 ... 1,000 µm |
| Resolution | 1 µm |
| Accuracy | ±7 digits at <200 µm ±3 % ±4 digits at >200 µm |
| Materials | steel, iron, non-ferrous metals |
| Display | 3 1/2-digit LC display with backlight |
| Functions | Automatic Power Off, calibration function |
| Power supply | 9 V block battery |
| Operating conditions | 0 ... +50 °C |
| Dimensions | 148 x 105 x 42 mm |
| Weight | 157 g (incl. battery) |

INCLUDES

Car paint thickness gauge, calibration standard, battery, bag, instruction manual

ITEM NO. ITEM

K-PCE-CT 25 coating thickness meter

1 mil = 1 / 1000 inch = 0.0254 mm = 25.4 µm