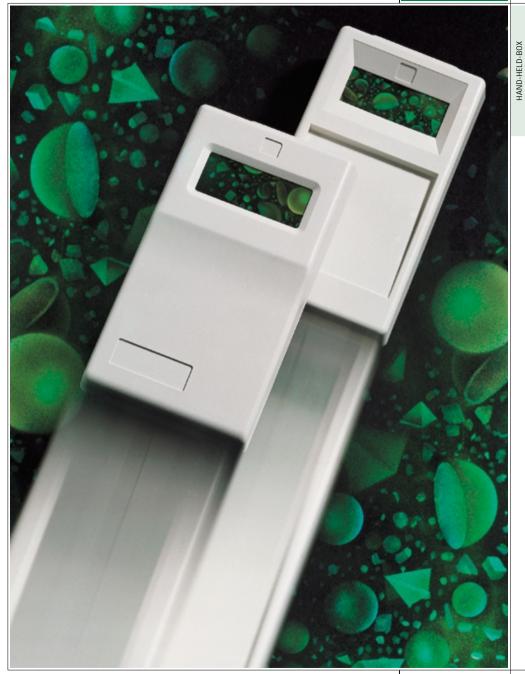
HAND-HELD BOX





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<u>OKW</u>

HAND-HELD BOX

YOUR ADVANTAGE

- These cases are ergonomic and easy to use.
- Prepared for mounting of digital or analogue display modules.
- Battery compartment with snap-in-mechanism for the quick change of batteries.
- With or without switch cap / slide switch cap, also for multimeters.
- High front end for the mounting of connectors.
- Recessed operating area for the protection of membrane keyboards and operating elements.

STANDARD COLOURS

Black, RAL 9005 resp. black brown, RAL 8022. Off-white, RAL 9002. Please refer to colour chart on page 228.

MATERIAL

ABS (UL 94 HB). Also available in other materials on request. Please refer to the specifications on pages 229-231.







ROBUST, MOBILE, HANDY

Successfully used cases for multiple and single measuring and for mobile data recording.

Available in five different types.

The boxes are easy to handle and easy to service.

The variety of boxes is so large that we are sure you will find a case to suit your specific requirements exactly.

APPLICATIONS

Useful hand-held-boxes for mounting of digital or analogical instruments. Versatile useable in the measuring and control technology, e.g. continuity checker and volt meter, field intensity meter, digital thermometers etc.

EMC

Cases marked with ≠ are available with aluminium metallization on demand. The contact areas of top and bottom part are poor. See also pages 226-227.

SERVICE-CENTER

Machining on modern CNC-controlled machines. Lacquering. Silk screen and tampo printing. See pages 221-227.

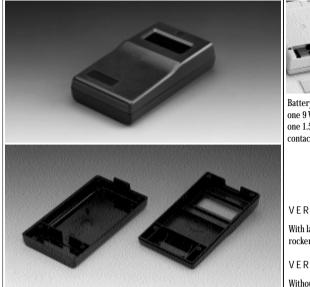
HAND-HELD-BOX P

DESIGN

Successfully used case for measuring instruments of handy pocket size. With recessed area for imprintings or your logo. Cut-out section for LCD or analogical modules with active area up to 50 x 20 mm. With battery compartment, accessible from the outside, for 9 V flat battery (PP3) or 1.5 V baby cell (C) with contacts for soldering. Raised front area to accommodate plugs.

ASSEMBLY

Case parts are assembled by 4 self-tapping screws. Snap-in battery compartment lid.





Battery compartment for one 9 V flat battery (PP3) or one 1.5 V baby cell (C) with contacts for soldering.

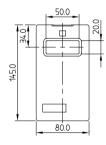
VERSION I

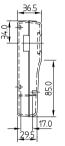
With lateral recess for rocker switch.

VERSION II

Without lateral recess.

Detailed drawing available on demand in dwg, dxf or pdf format.





Max. size of PCB: base part 71 x 106 mm, top part 72 x 106 mm (cutouts for pillars not taken into consideration)







(*) (*) = Type of screw for case fixing: cross head



Display window

🐼 H (PH1)

Max. Size of 1 CD. base part 71 x 100 hi	ini, top part 12 x 100 mm (outo	(IIII)		
	CASE (Part-No. with # see			
	Outside dimensions in mm	Colour	Version	Part-No.
	L W H			
	145 80 36.5 / 29.5	black	I	A 90 60 009 🗲
	145 80 36.5 / 29.5	off-white	I	A 90 60 007 🗲
	145 80 36.5 / 29.5	black	II	A 90 60 019 🗲
	145 80 36.5 / 29.5	off-white	II	A 90 60 017 🗲
	ACCESSORIES			
	Article	Colour	Version / Application	
	Switch cap	black	for rocker switch application	A 91 60 009
	Switch cap	off-white	for rocker switch application	A 91 60 007
	Cover plug	black	cover the screw holes in the bottom	A 91 60 002
SERVICE-CENTER	Plug-in-contact	blue	for 1 x 9 V flat battery (PP3)	A 91 60 003
	Display window	transparent	plexiglass	A 91 60 004
See pages 221-227.	Adhesive foil	transparent	for fastening the display window	A 91 60 006

Reference: Suitable tilt foot bar see accessory on page 214.

<u>OKW</u>

HAND-HELD-BOX M



Battery compartment for one 9 V flat battery (PP3) or one 1.5 V baby cell (C) with contacts for soldering.





DESIGN

Small hand-held case with excellent design. With recessed area, e.g. for membrane keyboards, control elements. Cut-out section for digital and analogical modules with active area up to 50 x 20 mm. The battery compartment is accessible from the outside. For 9 V flat battery (PP3) or 1.5 V baby cell (C) with contacts for soldering. Raised front area to accommodate plugs.

ASSEMBLY

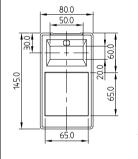
Case parts are assembled by 4 self-tapping screws. Snap-in battery compartment lid.

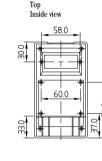
♦ H (PH1)

VERSION I

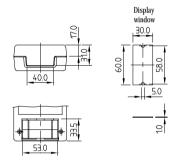
With battery compartment for one 9 V flat battery (PP3) or one 1.5 V baby cell (C).

Detailed drawing available on demand in dwg, dxf or pdf format.





♦ ♦ = Type of screw for case fixing: cross head



|--|

	CASE (Part-No. with # see			
Part-No.	Outside dimensions in mm	Colour	Version	
	L W H			
A 90 62 019 🗲	145 80 38.5/31.5	black	I	
A 90 62 017 🗲	145 80 38.5/31.5	off-white	I	
	ACCESSORIES			
	Article	Colour	Version / Application	
A 91 60 002	Cover plug	black	cover the screw holes on bottom	
A 91 60 003	Plug-in contact	blue	for 1 x 9 V flat battery (PP3)	
A 91 60 005	Display window	transparent	plexiglass	-
A 91 60 006	Adhesive foil	transparent	for fastening the display window	
	Reference: Suitable tilt foot	SERVICE-CENTER		
				See pages 221-227.

HAND-HELD-BOX N

DESIGN

Large exclusive hand-held case. With recessed area, e.g. for membrane keyboards, control elements. Cut-out section for digital and analogical modules with active area up to 65 x 23 mm. Version with battery compartment either for two 9 V flat batteries (PP3) or four 1.5 V mignon cells (AA), accessible from the outside. Raised front area to accommodate plugs.

ASSEMBLY

Case parts are assembled by 4 self-tapping screws. Snap-in battery compartment lid.





Version I with battery compartment for two 9 V flat batteries (PP3) or four 1.5 V mignon cells (AA).

VERSION I

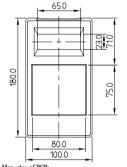
With battery compartment for two 9 V flat batteries (PP3) or four 1.5 V mignon cells (AA).

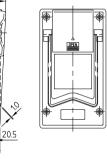
VERSION II

Without battery compartment.

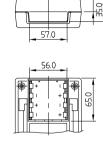
Detailed drawing available on demand in dwg, dxf or pdf format.

 $\textcircled{ \ } \textcircled{ \ } \textcircled{ \ } =$ Type of screw for case fixing: cross head





35.5





Display window

Max. size of PCB:

top part 91 x 169, base part without battery compartment 91 x 168 mm or with battery compartment 91 x 109 mm (cutouts for pillars not taken into consideration) 🛞						
	CASE (Part-No. with # see EMC page 50)					
		Outside dimensions in mm	Colour	Version	Part-No.	

	outblue uniteribiono in inin		colour	rension	Turt Ho.
	L	W H			
	180	100 44/35.5	black	I	A 90 61 019 🗲
	180	100 44/35.5	off-white	I	A 90 61 017 🗲
	180	100 44/35.5	black	II	A 90 61 119 🗲
	180	100 44/35.5	off-white	II	A 90 61 117 🗲
	ACCES	ACCESSORIES			
	Article		Colour	Version / Application	
	Set of battery clips		tin plated	for 4 x 1.5 V mignon cells (AA)	A 91 61 001
	Plug-in o	contact	blue	for 1 x 9 V flat battery (PP3)	A 91 60 003
SERVICE-CENTER	Tilt foot	bar	chrome plated	steel, for ergonomic canting	A 93 61 009
	Display window		transparent	plexiglass	A 91 61 004
See pages 221-227.	Adhesiv	e foil	transparent	for fastening the display window	A 91 61 005



HAND-HELD-BOX G, K

VERSION I

HAND-HELD-BOX G. Without lateral recess. With removable front panel.

VERSION II

HAND-HELD-BOX K. Special type for multimeters. With lateral recess for slide switch and borehole for knob on the upper side. With removable front panel.





DESIGN

Clearly styled hand-held case with ridged side areas affording a firm grip. Suitable for two-layer PCB mounting. Version I with recessed area 142.4 x 71 mm for membrane keyboards or imprinting. Cut-out section for digital and analogical modules with active area up to 60 x 25 mm. Battery compartment for 9 V flat battery (PP3), accessible from the outside

ASSEMBLY

Case parts are assembled by 2 screws. Removable and plug-in type rear panel.

