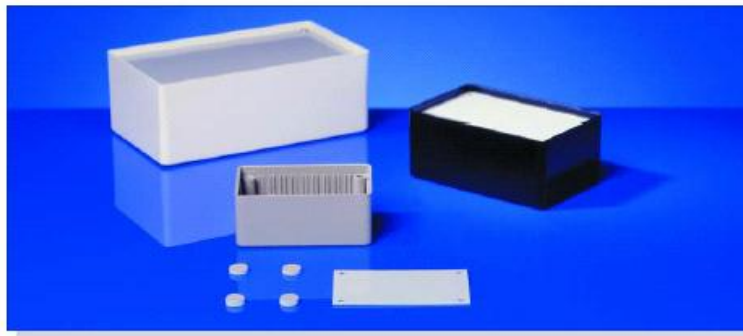




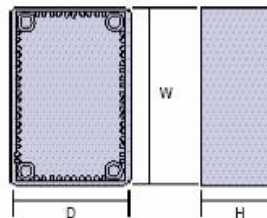
## 4000 Range Multi-Purpose Plastic Boxes with Aluminium Covers



*The 4000 range of ABS boxes is manufactured in Orange, Blue, Black and Grey and incorporates slots on all four sides for holding 1.5mm thick PCB's.*

The 1mm thick grey aluminium front cover is held by four fixing screws running into integral brass bushes and sits recessed into the front of the box.

Available on three sizes, these boxes have excellent electrical insulation properties and can be easily drilled or punched and are rated at 85°C.



Part No.	Dimensions (mm)		
	W	H	D
4003	85	28.5	56
4004	111	41.5	71
4005	161	52.5	95

All wall thicknesses 2mm with 1mm deep slots 1.8mm wide nominal.

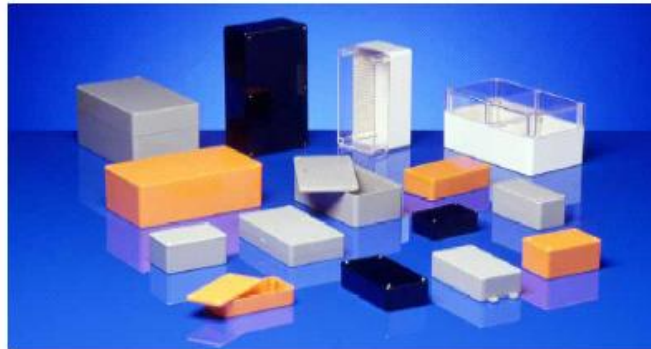
All specifications are subject to change without notice.

To order, specify as following example:

Part No  
4004



## 2000 Series ABS Plastic Boxes



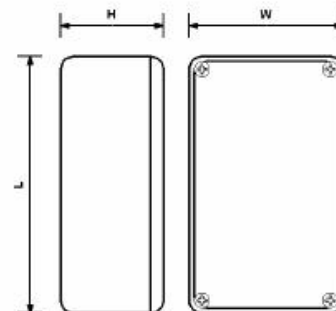
The 2000 series of multi-purpose boxes are manufactured in ABS plastic. They are available in a wide range of sizes, can be easily drilled and withstand temperatures up to 85 deg C. Also available with an RFI coating.

Available as standard in **Grey, Black, White, Orange** and **Blue**. Other colours can be specified but are subject to a minimum order quantity. **Flame Retardant UL94-V0** material is available in most sizes, with the available colours listed in the table below. **Clear lids** available upon request.

Board Adaptors are supplied with each box, which enable PCB's to be mounted horizontally.

The lids of the 2000 series have a close fitting flanged profile which is secured to the base by screws running into integral bosses.

Part No.	Dimension (mm)			Flame Retardant Colours UL94-V0
	W	H	L	
2000/10	50	27	75	Grey + White
2001/11	56	40	85	White
2002/12	50	25	100	Grey + White
2003/13	62	31	112	White
2004/14	65	40	120	Grey + White
2005/15	80	50	150	White
2006/16	110	60	190	Grey + White
2007/17	62	31	112	White
2008/18	55	42	55	Grey + White
2009/19	200	65	250	N/A
2030/30	80	30	142	N/A



To order, specify as following example: Part No 2002/12 White / RFI

All specifications are subject to change without notice.



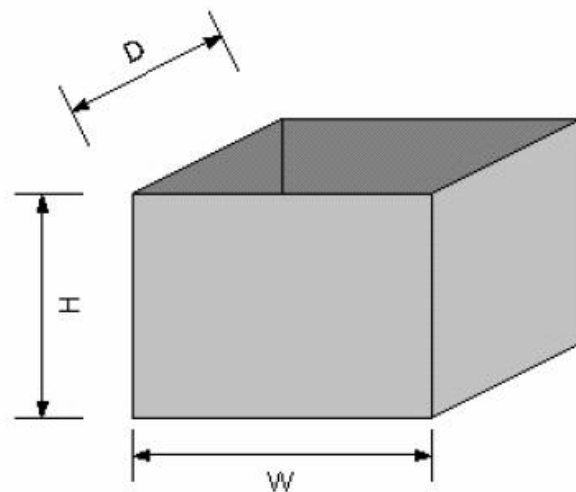
## 100 Series Multi Purpose Potting Boxes



Manufactured in black ABS and complying with water absorption specification DIN 53495, the 100 series of Potting Boxes is highly resistant to most chemicals and will withstand a temperature range of -20°C to +94°C.

Having high rigidity and impact strength, the 100 series potting boxes can be readily machined, punched, embossed and even printed upon.

Part No.	Dimension (mm) and nominal			
	W	H	D	Wall thickness
101	25	15	20	1
102	30	15	20	1
103	40	20	35	1
104	50	30	40	1
105	75	35	50	1
106	100	25	60	1.3
107	40	20	40	1
108	50	30	50	1
109	11	9	11	0.5
110	22	12	14	0.5
111	30	20	30	1
112	25	25	25	1
113	40	30	40	1
114	75	40	75	1
115	89	32.5	65	1.5
116	100	25	50	1

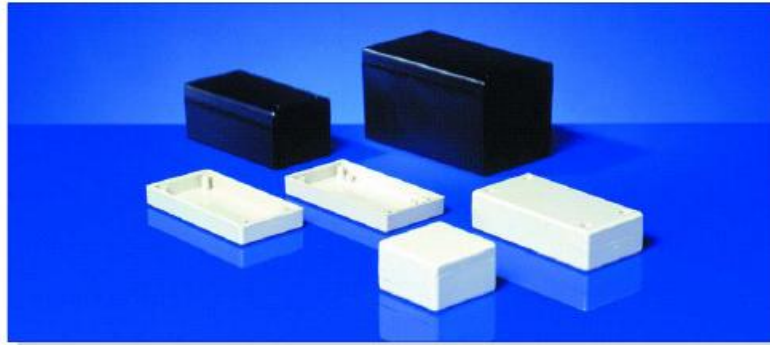


To order, specify as following example: Part No 107PB

All specifications are subject to change without notice.



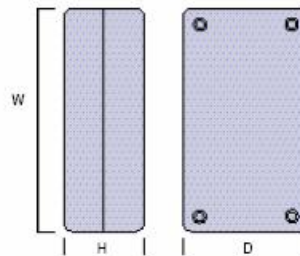
## 300 Series Multi-Purpose Utility Boxes



*The 300 series utility boxes are moulded as standard in flame retardant ABS UL94V0 material and are available in either grey or black.*

There are six sizes in the range, two utilise a snap fit design and four use self tap screws. Operating temperature is from -40°C - +75°C

- Utility boxes with removable lid
- Snap fit or screwed lid versions (snap fit has S suffix)
- Manufactured in either grey (RAL7035) or black (RAL 9004) ABS UL94V0 material
- Complete with moulded PCB guides
- Supplied with No 4 Black Philips head self tap screws (screwed lid versions)



Part No.	Dimensions (mm)			
	W	H	D	
300-5030(S)	44	30	50	
300-5025	94	25	50	
300-5040	94	40	50	
300-6540	114	40	65	
300-6565	114	66	65	
300-1145(S)	180	45	110	

General wall thickness 1.8mm nominal.

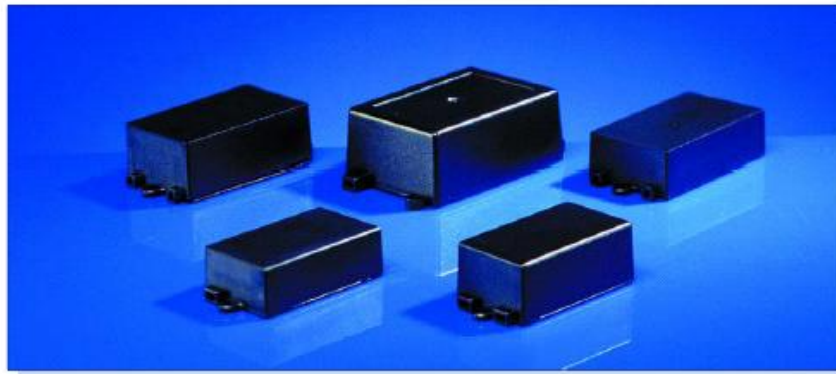
All specifications are subject to change without notice.

To order, specify as following example:

Part No	Colour
300-5025G	Grey

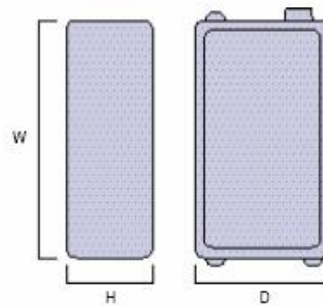


## 400 Series Utilibox



Made of high-impact ABS plastic and with a continuous operating temperature of 70°C. Flame retardant UL-94VO rated ABS is available on request.

- Competitively priced
- Utility or potting box with close fit base incorporating mounting feet
- Manufactured in black ABS
- Incorporates cable inlet/outlets
- Ideal for either open or potted power supply enclosure



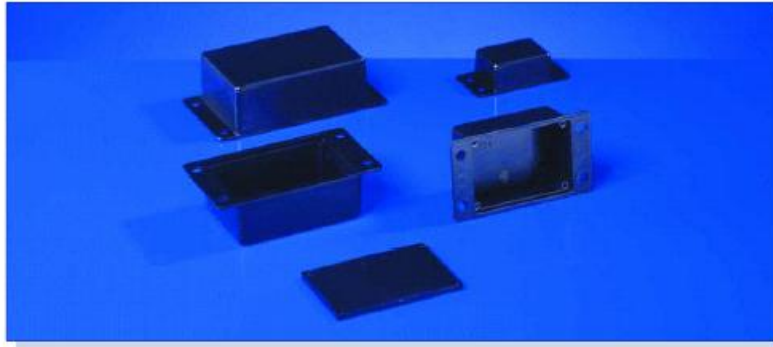
Part No.	Dimensions (mm)		
	W	H	D
400-011	65	22	38
400-013	65	27	38
400-015	72	22	44
400-017	72	27	44
400-019	82	33	57

All specifications are subject to change without notice.

To order, specify as following example:  
Part No  
400-011

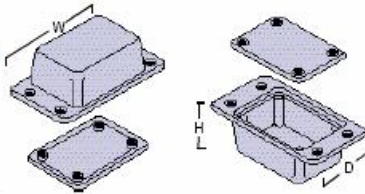


## 500 Series Small Multi-Purpose ABS Boxes



*The 500 series of ABS boxes have been tooled-up in response to our customers requests for boxes similar to our very popular 200 series but with provision for fixing down.*

- The enclosures are slightly tapered on the outside to allow a textured finish with the minimum of 'drag marks' however the boxes are parallel on the inside, the tapering being lost in the wall section
- All the enclosures are similar in design and appearance having radii on all external corners
- Each enclosure is approximately 15% bigger/smaller than the next
- Lid fixing is by No.2 self tapping screws (included)
- The screw pillars intrude into the boxes by 4mm x 4mm each corner
- Space available with lid fitted



Part No.	Dimensions (mm)		
	W	H	D
505	32	13	22
506	38	15	26
507	44	17	30
508	52	20	36
509	62	22	42
510	72	25	48

Approximate external measurements

General wall thickness 1.7mm nominal.

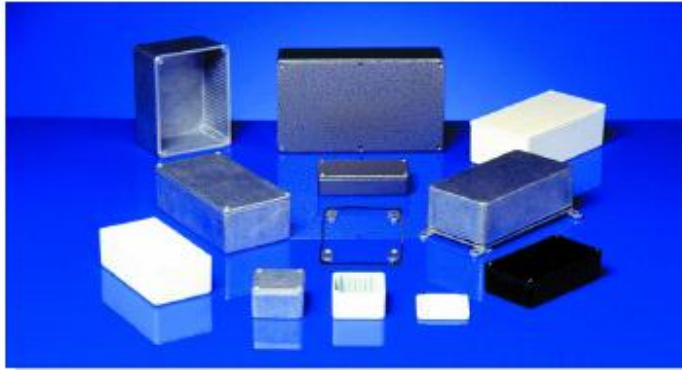
All specifications are subject to change without notice.

To order, specify as following example:

Part No  
505

**BOSS**  
ENCLOSURES

**5000 Range**  
**Multi-Purpose Diecast Boxes**  
including Gasket versions and Box Mounting Kit



*The Boss range of aluminium diecast boxes is available in seven sizes, each having slots for holding 1.5mm printed circuit boards. These boxes have close fitting flanged lids, held by M3 screws running into tapped holes, and are thus fully screened enclosures which will withstand temperatures as high as 260°C.*

They can easily be drilled or punched and are ideal for both prototype and production applications. Neoprene rubber gaskets can be supplied to achieve IP66 standard, and a Box Mounting Accessory Kit can also be supplied so that the boxes can be secured to host surfaces of any angle.

All sizes are supplied as standard in natural finish with stoved grey hammer lone paint optionally available. The 5000 series can be customised to BS colour choice in economical batch quantities. Now available with clear acrylic lids and nylon coating in white and black.

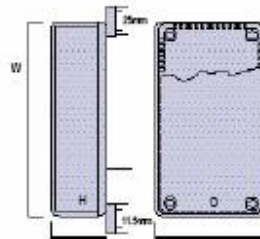
General wall thickness 1.8mm nominal.

All specifications are subject to change without notice.

To order, specify as following example:

Part No	Lid No:	
5002/12		Natural
5002/12		Clear
*5002/12		Gasket
	Mounting Kit	

To specify colour option - Nat (Natural), - Pat (Stoved Grey Hammerlone), - DH (White Nylon), - BK (Black Nylon)



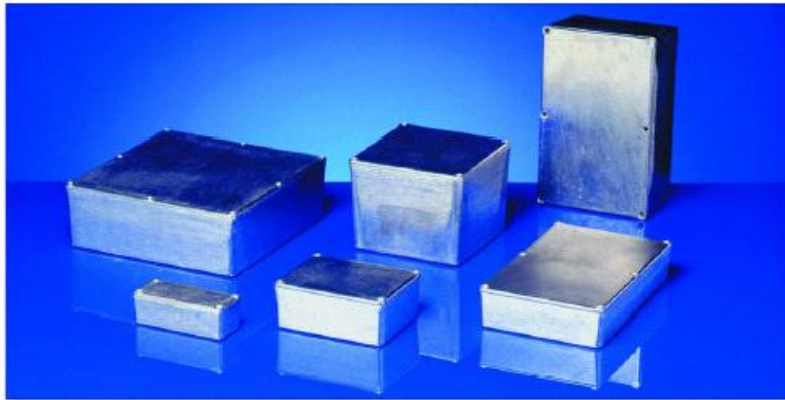
Part No. Dimensions (mm)

Box/Lid	W	H	D
5001/11	50	31	50
*5002/12	101	25	50
*5003/13	112	30	62
*5004/14	120	40	65
*5005/15	152	50	62
*5006/16	191	61	111
5007/17	121	61	95

\* These versions are available with neoprene rubber gasket.

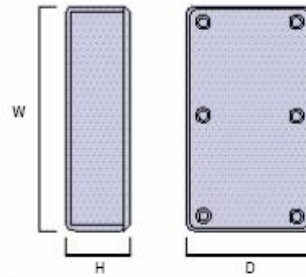


## 5100 Series Die-cast



*Inexpensive aluminium die-cast boxes moulded in 380 aluminium alloy (BS1490 LM24). Ideal for RF projects.*

- Multi-purpose diecast enclosures in aluminium alloy to BS1490 LM24
- Close fitting flanged lids fixed using supplied No. 4 self tap screws
- Light weight, easily machined
- Natural finish



Part No.	Dimensions (mm)		
	W	H	D
5100-123	90.0	30.0	38.0
5100-124	111.0	30.0	60.0
5100-234	119.0	56.5	93.5
5100-247	187.0	56.5	118.0
5100-347	187.0	81.7	118.0
5100-470	50.8	31.8	50.8
5100-471	110.0	44.5	82.5
5100-472	120.5	59.2	80.0
5100-473	119.0	34.0	93.5
5100-474	120.5	59.2	120.5
5100-475	120.5	95.2	120.5
5100-476	152.4	50.8	82.5
5100-477	187.0	38.0	118.0
5100-478	190.5	66.5	190.5
5100-479	111.0	54.0	60.0

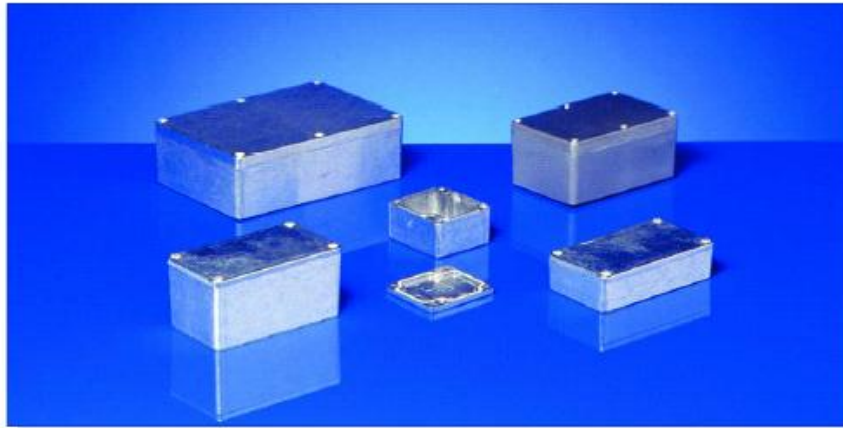
All specifications are subject to change without notice.

To order, specify as following example:  
Part No  
5100-123 Natural





## 5500 Series Die-cast

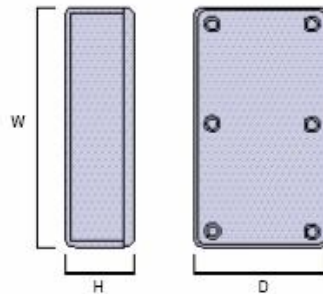


*For housing sensitive electronic assemblies, pneumatic, hydraulic and electrical devices in commercial and industrial environments providing effective shielding of EMI and RFI.*

- Heavy duty diecast enclosures in aluminium alloy to BS1490 LM24
- Designed to meet IP65 (NEMA 4) sealing standards for water and dust ingress
- Lid incorporates a recessed neoprene O ring seal
- Wall mounting holes and lid fixing screws are outside the sealing area
- Internal mounting bosses for horizontal PCB fixing or grounding points
- Internal guide slots for vertical PCB support
- Finished in natural, wet sprayed black and black epoxy powder coating

All specifications are subject to change without notice.

To order, specify as following example:  
Part No  
5500-02 Natural



Part No.	Dimensions (mm)		
	W	H	D
5500-02	90	30	35
5500-04	64	35	58
5500-06	115	30	65
5500-11	115	55	65
5500-13	115	55	90
5500-15	148	75	108
5500-20	171	55	121
5500-24	222	55	146
5500-25	222	82	146
5500-37	120.5	101.5	120.5
5500-39	158.5	101.5	158.5

**BOSS**  
ENCLOSURES

## 2900 Handheld Case



*The 2900 handheld case is of a two-part construction, incorporates a PP3 battery compartment with removable lid and is moulded, as standard, in black, brown, grey or white, with two-tone options available.*

Manufactured in ABS and thereby providing easy and clean punching and drilling capabilities, the two parts of the case are secured by M3 fixing screws running into integral bushes.

The 24° angled display area can accommodate various sizes of LCDs together with associated bezels, making this case ideal for hand held meters, controllers and thermometers etc.

Recessed fixing holes under the base accept the loosely supplied feet which, together with four internal PCB mounting bosses within the lid keypad area plus two more within the sloping display section.

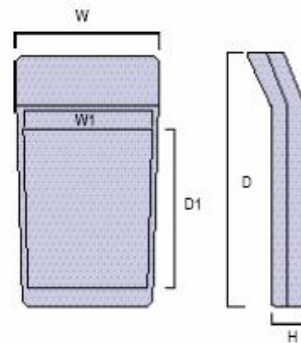
These ABS consoles have excellent electrical insulation properties and will withstand continuous heat up to 85°C, they are easily drilled or punched.

This machining work can be carried out at the factory and our sales department will be only too pleased to prepare a quotation to fulfil your specific requirements.

All specifications are subject to change without notice.

To order, specify as following example:

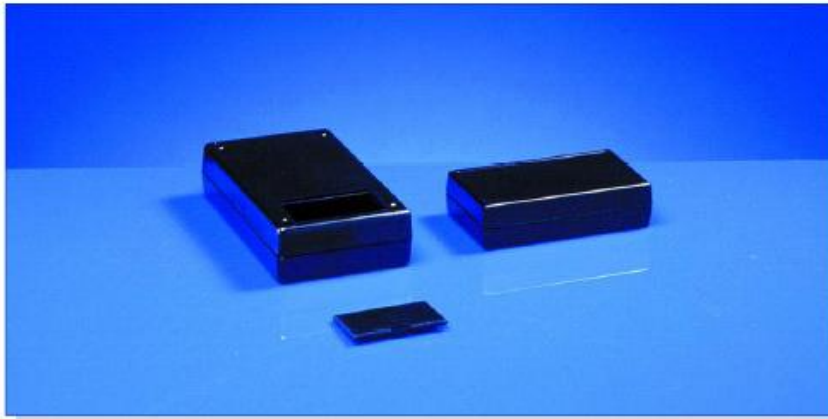
Part No  
2900



Part No.	Dimensions (mm)				
	W	H	D	W1	D1
2900	67	24.5	165	74	101



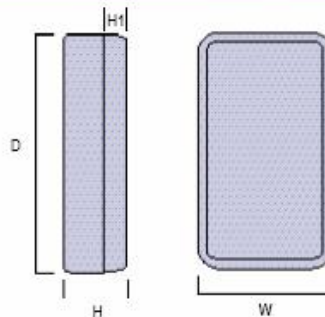
## 2910 Series Handheld with Battery Compartment



*The 2910 series of handheld enclosures comes as standard with a battery compartment with clip on style lid.*

Moulded in Black textured ABS, the 2910 is available in two sizes and has been designed using a two part construction with a durable 3mm wall thickness.

- 2 part construction
- Battery compartment in base accepts either 1 x PP3 or 4 x AA batteries
- Manufactured in Black (RAL9004) ABS
- Top comes complete with moulded recess to accept membrane keypads and overlays



Part No.	Dimensions (mm)			
	W	H	H1	D
2910-551	61	28	15	105
2910-552	80	34	18.5	145

All specifications are subject to change without notice.

To order, specify as following example:  
Part No  
2910-551

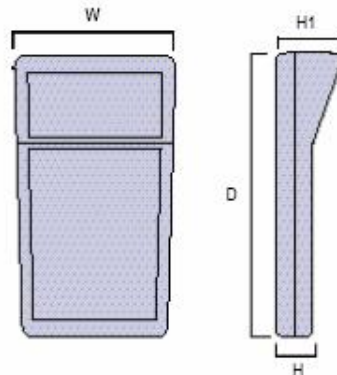


## 2920 Series Sloped Handheld Enclosures



*Moulded in high-impact ABS plastic. Ideal for keyboard, controllers test instruments, computer accessories, remote actuators and controls.*

- 2 part construction
- Largest size available with or without battery compartment
- Battery compartment in base accepts either 1 x PP3 or 4 x AA sized batteries
- Optional AA battery contact kit available
- Manufactured in light grey (RAL9002) or black (RAL9004) ABS
- Internal mounting bosses for horizontal PCB mounting
- 2 sizes 150 x 28 x 95 and 189 x 33 x 104



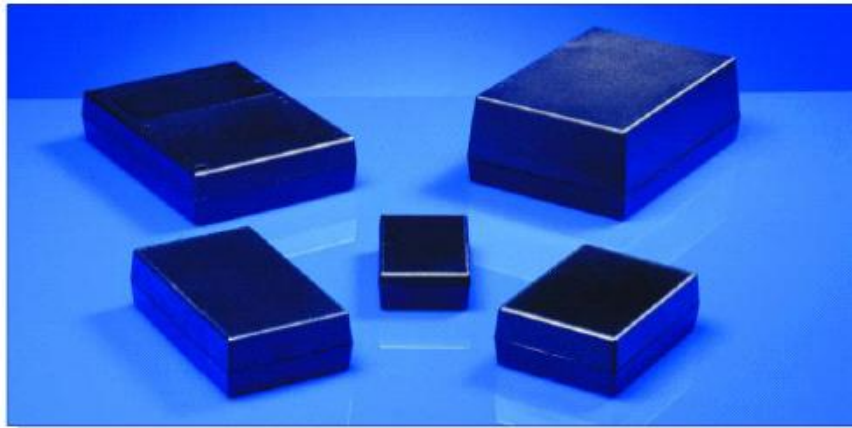
All specifications are subject to change without notice.

To order, specify as following example:  
Part No  
2920-68G

Part No.	Dimensions (mm)			
	W	H	H1	D
<b>Light Grey</b>				
2920-68G	95	28.5	49.5	150
2920-89G	104.5	33.2	59.0	189
2920-89G BC	104.5	33.2	59.0	189
<b>Black</b>				
2920-68B	95	28.5	49.5	150
2920-89B	104.5	33.2	59.0	189
2920-89B BC	104.5	33.2	59.0	189



## 2960 Series Handheld with Battery Compartment



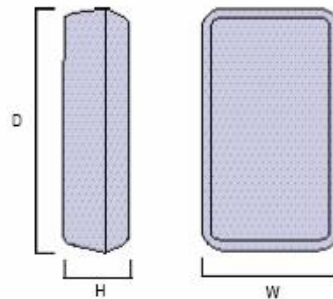
*Moulded in high-impact ABS plastic. Ideal for instrument, computer accessories, transmitter, remote actuators, audio and video controls, security systems.*

- 2 part construction with or without battery compartments
- Manufactured in ABS in either light grey (RAL9002) or black (RAL9004)
- Includes fixing screws and rubber feet
- Low cost
- Internal mounting bosses for horizontal PCB fixing
- 2 internal slots for vertical PCB mounting
- Suffix B (BC) means black colour box with battery compartment
- Sizes -00 to -08 have a 0.5mm recess in lid
- Size -13 comes with plain textured lid and has 4 internal slots for PCB mounting

All specifications are subject to change without notice.

To order, specify as following example:

Part No  
2960-00G

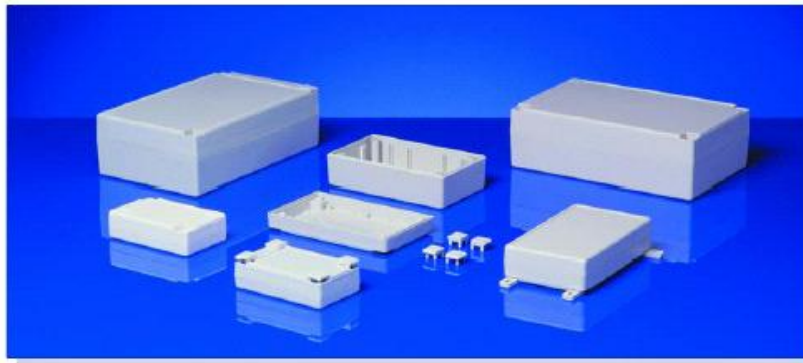


Part No. Dimensions (mm)

	W	H	D
<b>Light Grey</b>			
2960-00G	57.00	25.40	92.00
2960-02G	82.50	38.00	111.00
2960-02GBC	82.50	38.00	111.00
2960-04G	82.50	38.00	142.80
2960-08G	123.60	38.00	174.50
2960-13G	123.60	63.50	174.50
<b>Black</b>			
2960-00B	57.00	25.40	92.00
2960-02B	82.50	38.00	111.00
2960-02BBC	82.50	38.00	111.00
2960-04B	82.50	38.00	142.80
2960-08B	123.60	38.00	174.50
2960-13B	123.60	63.50	174.50



## 7000 Series Optional IP65 Rating



*A range of enclosures manufactured in high impact ABS. Operating temperatures up to 85°C.*

*All comply to IP 65 protection in respect of dust and moisture when employing the optional O' ring gasket.*

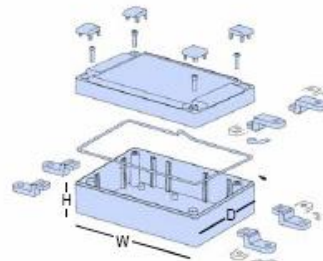
The two halves are fixed together using M3 screws into machined inserts concealed by plastic covers.

Keyboard areas of different sizes are provided on both the top and base further increasing its flexibility.

Wall mounting facility is provided in two ways, either by screw-in feet or precut holes in the base.

PCBs can be mounted vertically using the guides incorporated in the base or horizontally on 5mm bosses.

Standard colours are grey RAL 7035 or black RAL 9004.



Part No.	Dimensions (mm)		
	W	H	D
7001/11	90	25	55
7002/12	90	40	55
7003/13	110	35	85
7004/14	127	30	75
7005/15	127	45	75
7006/16	145	45	90
7007/17	190	60	120
7008/18	220	50	145
7009/19	220	80	145

General wall thickness 1.5mm nominal.

All specifications are subject to change without notice.

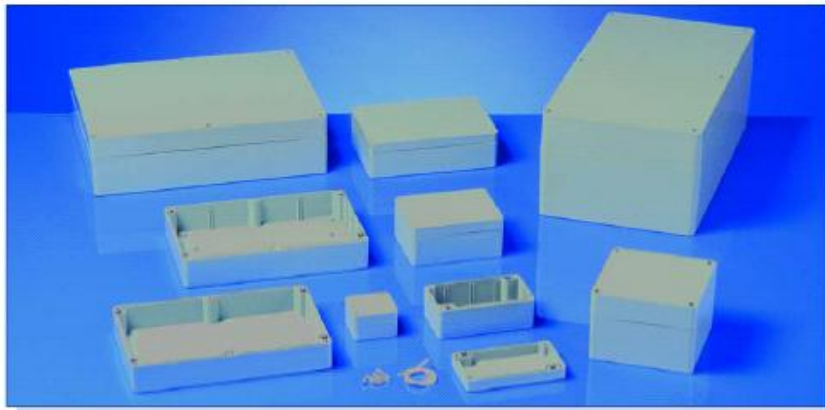
To order, specify as following example:

Part No  
7003/13 BLK (Black)

Accessories: 'O' ring gasket (IP 65).

Wall mounting kit (mounting feet).

Options : EMIRFI shielding. UL 94 VO material.

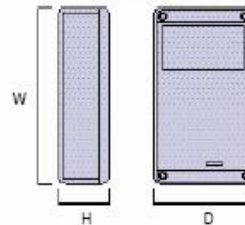


Moulded in grey (RAL 7000) ABS material for operating temperatures of -20°C to +85°C. Clear lid is available on request.

- The lid and base incorporate a tongue and groove sealing system with a neoprene gasket
- Wall mounting holes and lid fixing screws are outside the sealing thus preventing the ingress of moisture and dust
- Designed to IP65 and Nema 4 (dust and hose proof)
- Available with clear or grey lids
- Internal guide slots for mounting PCB assemblies vertically
- Bosses on internal base allow fixing of PCBs horizontally or connection of terminals etc into threaded brass inserts
- Lid fixing screws are M4 stainless steel (non-magnetic) into threaded brass inserts
- The ABS material used has an operating temperature of -20°C to +85°C

All specifications are subject to change without notice.

To order, specify as following example:  
Part No  
7300-302



Part No. Dimensions (mm)				
ABS				
Grey	Clear Lid	W	H	D
7300-302	7300-302C	64	35	58
7300-304	7300-304C	115	40	65
7300-308	7300-308C	115	55	65
7300-311	7300-311C	115	55	90
7300-313	7300-313C	171	55	121
7300-317	7300-317C	222	55	146
7300-331	7300-331C	115	80	90
7300-340	7300-340C	171	80	121
7300-346	7300-346C	195	55	80
7300-353	7300-353C	222	75	146
7300-378	7300-378C	265	95	185
7300-362	7300-362C	52	35	50
7300-366	7300-366C	82	55	80
7300-368	7300-368C	160	55	80
7300-369	7300-369C	160	85	80
7300-373	7300-373C	200	75	120
7300-386	7300-386C	120	60	120
7300-387	7300-387C	120	90	120
7300-396	7300-396C	160	60	160
7300-399	7300-399C	160	90	160
7300-3008	7300-3008C	240	90	160
7300-3019	7300-3019C	240	120	160
7300-3028	7300-3028C	300	85	230
7300-3031	7300-3031C	300	111	230
7300-3039	7300-3039C	360	150	200

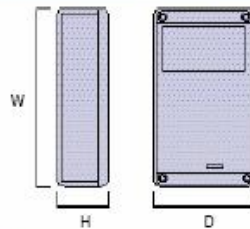


Moulded in light grey (RAL 9002) polycarbonate material for operating temperatures of -40°C to +125°C. Clear lid is available on request.

- The lid and base incorporate a tongue and groove sealing system with a neoprene gasket
- Wall mounting holes and lid fixing screws are outside the sealing thus preventing the ingress of moisture and dust
- Designed to IP65 and Nema 4 (dust and hose proof)
- Available with clear or light grey lids
- Internal guide slots for mounting PCB assemblies vertically
- Bosses on internal base allow fixing of PCBs horizontally or connection of terminals etc into threaded brass inserts
- Lid fixing screws are M4 stainless steel (non-magnetic) into threaded brass inserts
- The polycarbonate material used has an operating temperature of -40°C to +125°C

All specifications are subject to change without notice.

To order, specify as following example:  
Part No  
7200-201



Part No. Dimensions (mm)				
Polycarbonate				
Light Grey	Clear Lid	W	H	D
7200-201	7200-201C	64	35	58
7200-203	7200-203C	115	40	65
7200-205	7200-205C	115	55	65
7200-212	7200-212C	115	55	90
7200-214	7200-214C	171	55	121
7200-218	7200-218C	222	55	146
7200-221	7200-221C	115	80	90
7200-223	7200-223C	171	80	121
7200-229	7200-229C	195	55	80
7200-232	7200-232C	222	75	146
7200-238	7200-238C	265	95	185
7200-250	7200-250C	52	35	50
7200-256	7200-256C	82	55	80
7200-258	7200-258C	160	55	80
7200-265	7200-265C	160	85	80
7200-269	7200-269C	200	75	120
7200-278	7200-268C	120	60	120
7200-279	7200-279C	120	90	120
7200-287	7200-287C	160	60	160
7200-288	7200-288C	160	90	160
7200-2018	7200-2018C	240	90	160
7200-2025	7200-2025C	240	120	160
7200-2029	7200-2029C	300	86	230
7200-2038	7200-2038C	300	111	230
7200-2058	7200-2058C	360	150	200