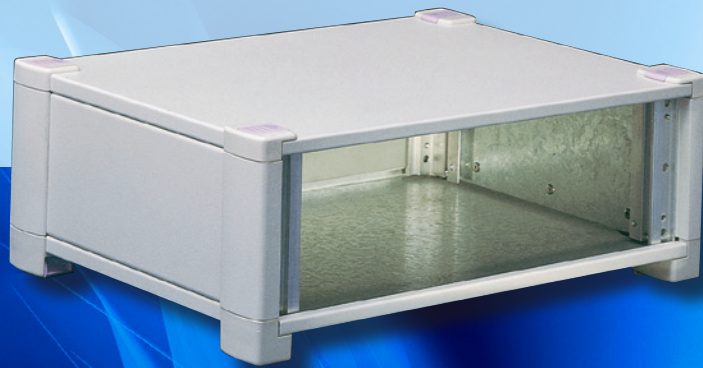


# VEROTEC

Electronics Packaging



**VEROTEC Cases**

## CUSTOM VEROTEC CASES

TecServ+ is the vehicle by which Verotec delivers its value added services. These fall within 5 main categories and are described below. When it comes to Verotec Cases, we've worked with many customers in the past to design, manufacture and help bring to market modified and custom versions of our standard products – a small selection of these are pictured below. If you have any special Verotec Case requirements, please contact our sales office.

### ENGINEERING SERVICES:

- + Complete review of commercial, electro-mechanical, environmental and regulatory product requirements with customer.
- + Import of STEP, IGES, DWG & DXF file formats
- + Mechanical and electrical design using latest CAD software
- + 3D Modelling to allow conceptual testing before production
- + Component selection from a vast library of parts

### MANUFACTURING SERVICES:

- + Prototype / pre-production samples using small batch shop
- + Modification of standard catalogue products (including machining, CNC punching, laser cutting, painting & silk-screening)
- + Manufacture of custom / bespoke products (including fabrication, machining, CNC punching, plating, painting & silk-screening)
- + Assembly & kitting of components
- + Integration & mechanical / electrical testing of complex systems

### COMPLIANCE SERVICES:

- + Validation of product design and/or specification
- + Advice on environment legislation (RoHS, Reach, Weee etc.)
- + In-house pre-compliance testing for CE marking (Safety, EMC)
- + Supply of product technical construction file
- + Testing & certification of a product at an approved test house (for EMC, shock & vibration, altitude, temperature, humidity etc.)

### LOGISTICAL SERVICES:

- + Express manufacturing service for quick turnaround of urgent orders
- + Special / bespoke packaging for safe transport of goods
- + Scheduled orders (including JIT and KAN BAN systems)
- + Stock holding & distribution
- + Exporting (including export packaging, land/sea/air transportation, freight forwarding, customs documentation & shipping manifests)

### PROJECT MANAGEMENT SERVICES:

- + Initial project consultation
- + Capability and feasibility study
- + Estimation of project cost and leadtime
- + Management of design process (specification to validation)
- + Management of manufacturing process (prototype to production)
- + Cost reduction programmes throughout product life cycle



**Custom 3U x 19inch Verotec Case with IP sealed front door – telecoms application.**



**Customised 1U x 10.5 Verotec Case with modified front and rear panel - instrumentation application.**



# Verotec Case - Introduction

## INTRODUCTION

Verotec Cases offer an excellent combination of technical competence and aesthetic design. This makes them an ideal packaging solution for high-end electronic instruments. The Verotec Case design provides an "upgrade" path from the basic case to provide a high-EMC or IP 55 performance enclosure that meets the many current environmental requirements.

The Verotec Case has been designed with discretely hidden fixing screws under clip in mouldings. This means not only is your product more secure, from casual interference, it is also in a visually clean enclosure.

Verotec Cases are available in 1U, 2U, 3U and 6U heights in both 10.5 "and 19" widths, with optional ventilation and in 260, 300, 400 & 500 mm depths. There are also two colour schemes Light Grey RAL 7035 single colour and light grey RAL 7035 / anthracite RAL 7016 Two tone. There is a Caseframe version which uses the KM6- 2 subrack system for mounting Eurocards and a variety of accessories including trims, handles, front & rear panels, chassis supports & trays

## FEATURES

- Attractive clean design with hidden fixings (if required)
- 19 inch equipment practise compatible
- 4 heights, 2 widths and 4 depth options
- Light Grey and Two Tone Anthracite/Light Grey colour options
- Front Cover trims with optional handle extrusion
- Carry handle option for half width 10.5" and full with 19" units
- Optional upgrades for EMC protection and IP 55 environmental sealing
- Range of accessories
- Transparent hinged door available to order on TecServ+
- Caseframe version using KM6-2 Subrack and accessories
- Supplied assembled

## ORDERING

Verotec Cases & Caseframe should be ordered as the basic case which will be supplied in a carton and assembled. Selection criteria for cases are size, colour and ventilation and for Caseframes size and colour.

Accessories exclusively for Verotec cases & Caseframes are in the following pages of this section of the handbook. They can be found in the pages shown in the index.

19inch panels and KM6-2 accessories are found in the relevant section handbook These are listed in the Accessory index on page 5.14

Index	Page
TecServ+	5.02
Introduction	5.03
Technical specification	5.04
Overview	5.05
Verotec Case – Full Width (19inch)	5.06
Verotec Case – Half Width (10.5 inch)	5.07
Verotec Caseframe – Full Width (19inch)	5.08
Verotec Caseframe – Half Width (10.5 inch)	5.09
Trims, Cover Trims & Handles	5.10
Front & Rear Panels	5.11
EMC/IP Front & Rear Panels	5.12
EMC/IP Seal Kits	5.12
Chassis Tray Support Kits	5.13
Chassis Tray Kits	5.13
Carry Handles	5.13
Hinged Transparent Doors (TecServ+)	5.14
Accessory Index	5.14



Select a Case or Caseframe pages 5.06-5.09



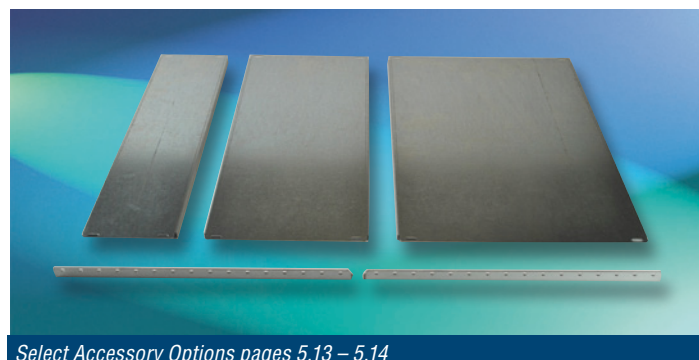
Select trim or handle options page 5.10



Select Front & Rear Panel options page 5.11



Select EMC & IP Options page 5.12



Select Accessory Options pages 5.13 – 5.14

## MATERIAL SPECIFICATION

Covers & Side Panels:	0.9mm Galvanised Steel Sheet
Corner Extrusions:	Aluminium Alloy
Fixings:	M4 x 16 Csk Head; M4 x 6 Cheese Head
Mouldings:	ABS UL94-V0 Light Grey RAL 7035 or Anthracite RAL 7016

## THERMAL MANAGEMENT

Verotec Cases have the option to be supplied with ventilation holes in the base. This allows cool air to be pulled into the case, by convection. Where a rear panel is fitted similar ventilation holes are punched in the rear with the intention of promoting a "through flow" of cool air through the equipment. In both the base panel and the rear panel the matrix of holes has been design such that it minimises the degradation of the EMC/RFI performance of the case.

In cases of high thermal load Verotec can offer to supply Verotec cases with fans and/or fan apertures on the rear panel supplied as part of the Tecserv+ service

## EMC PROTECTION

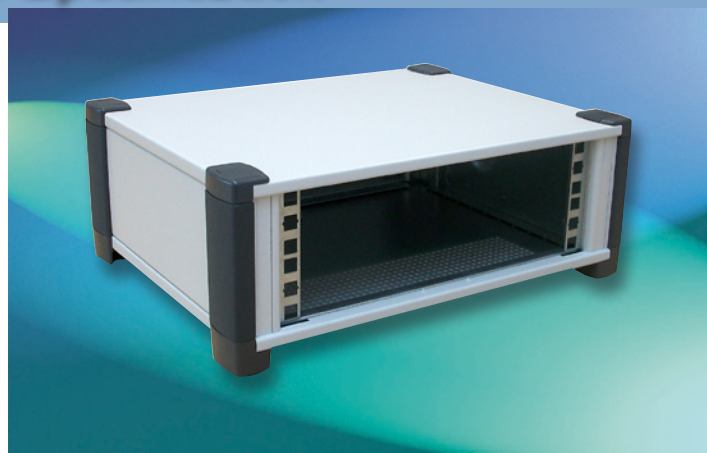
Verotec Cases have been designed with inherent EMC/RFI protection. Fitted with optional EMC/IP Front and Rear Panels and conductive finger strips the cases will provide a high level of attenuation across a broad frequency range. EMC/IP Front and rear panels are available as optional accessories along with a gasket kit for the Verotec Case

## IP PROTECTION

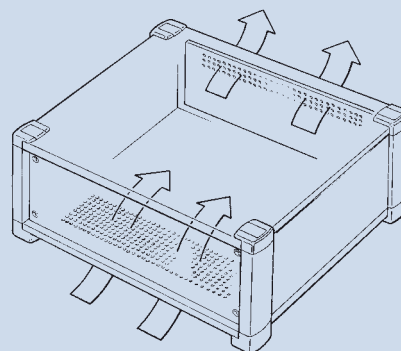
In order to meet a wider range of applications the Verotec Case is also able to be upgraded to meet IP 54. Fitted with optional EMC/IP Front and Rear panels and IP seals the cases will protect internal equipment from ingress of moisture and dust. The Verotec case is protected in most industrial environments. EMC/IP Front and Rear panels along with Gasket kits are available as options in order to upgrade the basic Verotec case to meet this standard.

## PAINT FINISH

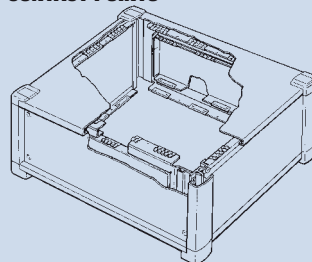
The steel panels of the Verotec case are painted using epoxy fine texture powder. Where painted the colour is Light Grey RAL 7035 in both the single colour and Two tone case versions For the two tone case version the aluminium corner extrusions are painted with powder epoxy fine texture in Anthracite RAL 7016



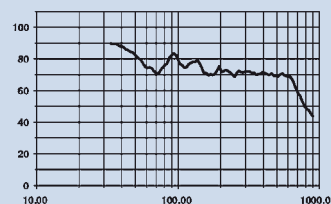
## AIRFLOW



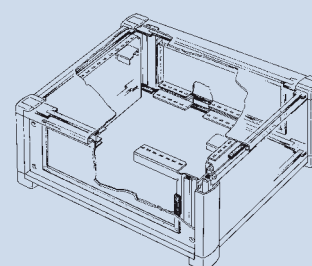
## FINGER POSITIONS & CONTACT POINTS



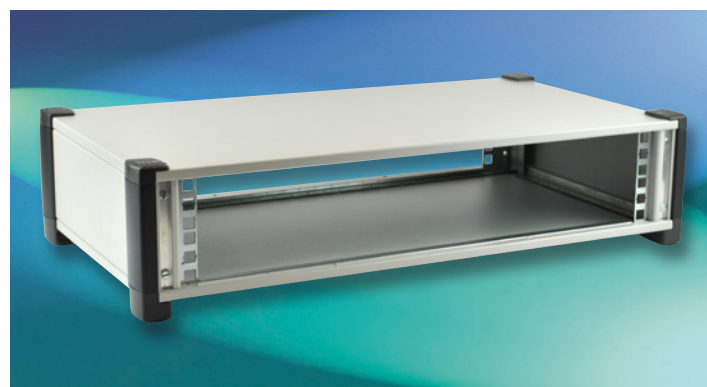
## SHIELDING EFFECTIVENESS 50% BecU COVERAGE-E FIELD



## GASKET POSITIONS



IP	INDEX OF PROTECTION
5	Machine protected against dust and accidental contact. Test result : no dust enters in harmful quantities, no risk of direct contact with rotating parts. The test lasts 2 hours (test result : no talc enters which could adversely affect the running of the motor).
5	Machine protected against jets of water from all directions from hoses at 3 m distance with a flow rate of 12.5l / min at 0.3 bar. The test lasts 3 minutes (test result : no damage from water projected onto the machine).



**Verotec Cases** offer an excellent combination of technical competence and aesthetic design. Equipment can be housed in a standard full width (19inch) or half width (10.5 inch) enveloped either 1U & 2U high and up to 300mm deep. The Verotec case is ideally suited to desktop or workbench mounting. With the extruded corners, cover mouldings and tilt feet it is readily stacked for multi instrument applications. The tilt feet provide an excellent facility for viewing front panel displays and can be easily raised or lowered as required.

The Verotec case range is available in both full width, 19inch and half width 10.5 inch sizes to offer the widest range of instrument applications. Ventilation is provided by a matrix of holes in the base which when a rear panel is added provide a through flow of cool air. To enhance its visual appeal the case is offered in two colour options. Either as single colour Light grey RAL 7025 or Two Tone Light Grey RAL 7035 and Anthracite RAL 7016.

## FEATURES

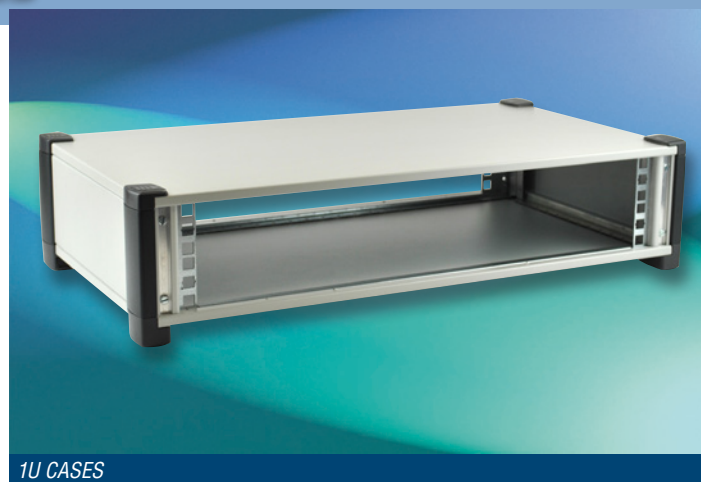
- Heights: 1U & 2U
- Widths: Full Width 19 inch & Half Width 10.5 Inch
- Depths: 260mm & 300mm
- Optional Vented base panel
- Optional Single colour Light Grey or Two Tone Light Grey & Anthracite
- Powder painted in textured finish for high scratch resistance
- Tilt foot fitted to front foot moulding
- Hidden fixings under clip in mouldings
- Upgrades for EMC and Environmental protection

## CONTENTS OF CASE

1	Top Cover
1	Bottom Cover (Vented/Non Vented)
2	Side Panels
4	Corner extrusions (internal)
4	Corner extrusions (external)
2	Front & Rear Frame
4	Foot Moulding
2	Tilt Foot Moulding
4	Cover Moulding with clip in covers
1	Set of fixings

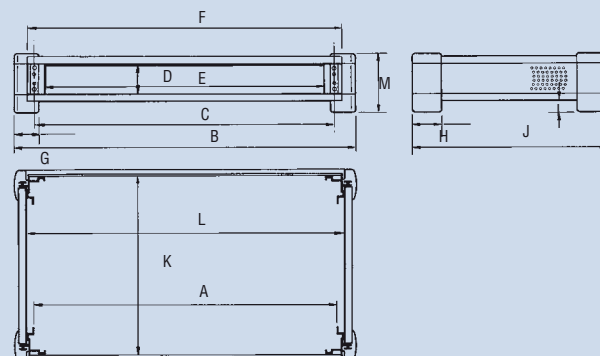
## ORDERING INFORMATION

Height	Width	Depth	Colour	Vented	Unvented
1U	10.5	260	Two Tone	70-4003608	70-4003974
1U	10.5	260	Light Grey	70-4003962	70-4003980
1U	19	300	Two Tone	70-4003609	70-4003975
1U	19	300	Light Grey	70-4003963	70-4003981
2U	10.5	260	Two Tone	70-4003610	70-4003976
2U	10.5	260	Light Grey	70-4003964	70-4003982
2U	19	300	Two Tone	70-4003611	70-4003977
2U	19	300	Light Grey	70-4003965	70-4003983

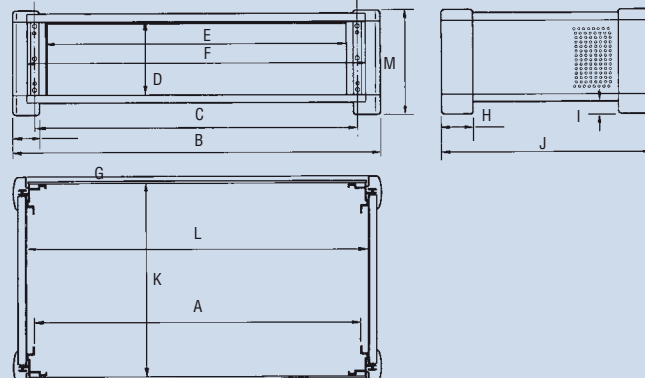


1U CASES

## 1U Case Dimensional Detail



## 2U Case Dimensional Detail



# Verotec Case: 3U & 6U Cases

**Verotec Cases** offer an excellent combination of technical competence and aesthetic design. Equipment can be housed in a standard full width (19inch) or half width (10.5 inch) enveloped either 3U or 6U high and up to 500mm deep. The Verotec case is ideally suited to desktop or workbench mounting. With the extruded corners, cover mouldings and tilt feet it is readily stacked for multi instrument applications. The tilt feet provide an excellent facility for viewing front panel displays and can be easily raised or lowered as required.

The Verotec case range is available in both full width, 19inch and half width 10.5 inch sizes to offer the widest range of instrument applications. Ventilation is provided by a matrix of holes in the base which when a rear panel is added provide a through flow of cool air. To enhance its visual appeal the case is offered in two colour options. Either as single colour Light grey RAL 7025 or Two Tone Light Grey RAL 7035 and Anthracite RAL 7016.

## FEATURES

- Heights: 3U & 6U
- Widths: Full Width 19 inch & Half Width 10.5 Inch
- Depths: 300mm, 400mm & 500mm
- Optional Vented base panel
- Optional Single colour Light Grey or Two Tone Light Grey & Anthracite
- Powder painted in textured finish for high scratch resistance
- Tilt foot fitted to front foot moulding
- Hidden fixings under clip in mouldings
- Upgrades for EMC and Environmental protection

## CONTENTS OF CASE

1	Top Cover
1	Bottom Cover (Vented/Non Vented)
2	Side Panels
4	Corner extrusions (internal)
4	Corner extrusions (external)
2	Front & Rear Frame
4	Foot Moulding
2	Tilt Foot Moulding
4	Cover Moulding with clip in covers
1	Set of fixings

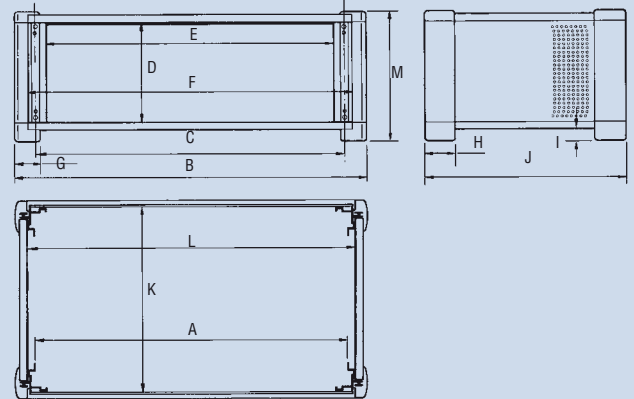
## ORDERING INFORMATION

Height	Width	Depth	Colour	Vented	Unvented
3U	10.5	300	Two Tone	70-4003612	70-4003978
3U	10.5	300	Light Grey	70-4003966	70-4003984
3U	19	400	Two Tone	70-4003613	70-4003979
3U	19	400	Light Grey	70-4003967	70-4003985
6U	10.5	400	Two Tone	70-4004343	70-4004527
6U	10.5	400	Light Grey	70-4004352	70-4004528
6U	19	500	Two Tone	70-4004348	70-4004529
6U	19	500	Light Grey	70-4004357	70-4004530



3U CASES

## 3U Case/Caseframe Dimensional Detail



## 6U Case/Caseframe Dimensional Detail

# Verotec Case: 3U Caseframes 42 & 84 hp

**Verotec Caseframes** offer an excellent combination of technical competence and aesthetic design. Eurocards can be housed in a standard 84 hp or 42 hp width either 3U or 6U high and up to 500mm deep. The Verotec caseframe is ideally suited to desktop or workbench mounting. With the extruded corners, cover mouldings and tilt feet it is readily stacked for multi instrument applications. The tilt feet provide an excellent facility for viewing front panel displays and can be easily raised or lowered as required. The Verotec caseframe range is available in two widths 42 and 84 hp, two heights 3U & 6U and 300,400 & 500 mm depths offering the widest range of applications. Ventilation is provided by a matrix of holes in the base which when a rear panel is added provide a through flow of cool air. To enhance its visual appeal the case is offered in two colour options. Either as single colour Light grey RAL 7025 or Two Tone Light Grey RAL 7035 and Anthracite RAL 7016.

## FEATURES

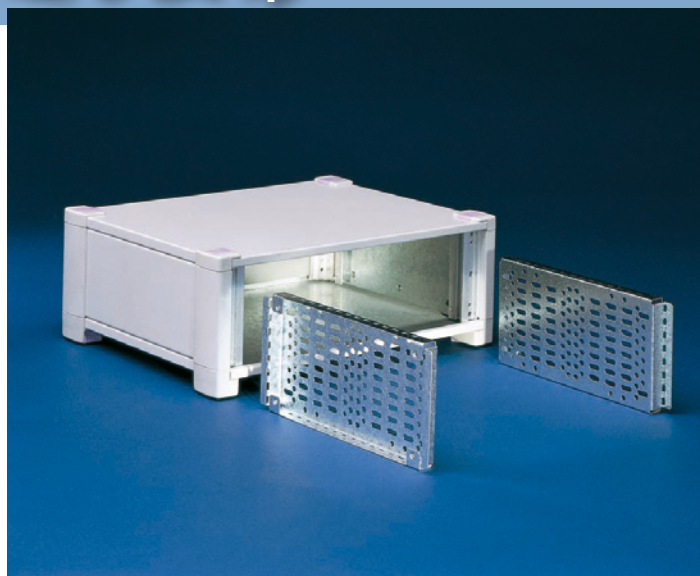
- Heights: 3U & 6U Widths: Full Width 19 inch & Half Width 10.5 Inch
- Depths: 300mm, 400mm & 500mm
- Vented base panel
- Optional Single colour Light Grey or Two Tone Light Grey & Anthracite
- Powder painted in textured finish for high scratch resistance
- Tilt foot fitted to front foot moulding
- Hidden fixings under clip in mouldings
- Upgrades for EMC and Environmental protection
- Subrack components based upon the industry standard KM6-II system

## CONTENTS OF CASE

1	Top Cover
1	Bottom Cover (Vented/Non Vented)
2	Side Panels
4	Corner extrusions (internal)
4	Corner extrusions (external)
2	Front & Rear Frame
4	Foot Moulding
2	Tilt Foot Moulding
4	Cover Moulding with clip in covers
1	Set of fixings

## ORDERING INFORMATION

Height	Width (hp)	Depth	Colour	Vented	E/Plate Depth
3U	42	300	Two Tone	<b>70-4004531</b>	240
3U	42	300	Light Grey	<b>70-4004532</b>	240
3U	84	300	Two Tone	<b>70-4004533</b>	240
3U	84	300	Light Grey	<b>70-4004534</b>	240
3U	42	400	Two Tone	<b>70-4004535</b>	360
3U	42	400	Light Grey	<b>70-4004536</b>	360
3U	84	400	Two Tone	<b>70-4004537</b>	360
3U	84	400	Light Grey	<b>70-4004538</b>	360



# Verotec Case: 6U Caseframes 42 & 84 hp

**Verotec Caseframes** offer an excellent combination of technical competence and aesthetic design. Eurocards can be housed in a standard 84 hp or 42 hp width either 3U or 6U high and up to 500mm deep. The Verotec caseframe is ideally suited to desktop or workbench mounting. With the extruded corners, cover mouldings and tilt feet it is readily stacked for multi instrument applications. The tilt feet provide an excellent facility for viewing front panel displays and can be easily raised or lowered as required. The Verotec caseframe range is available in two widths 42 and 84 hp, two heights 3U & 6U and 300,400 & 500 mm depths offering the widest range of applications. Ventilation is provided by a matrix of holes in the base which when a rear panel is added provide a through flow of cool air. To enhance its visual appeal the case is offered in two colour options. Either as single colour

## FEATURES

- Heights: 6U Widths: Full Width 19 inch & Half Width 10.5 Inch
- Depths: 400mm & 500mm
- Vented base panel
- Optional Single colour Light Grey or Two Tone Light Grey & Anthracite
- Powder painted in textured finish for high scratch resistance
- Tilt foot fitted to front foot moulding
- Hidden fixings under clip in mouldings
- Upgrades for EMC and Environmental protection
- Subrack components based upon the industry standard KM6-II system

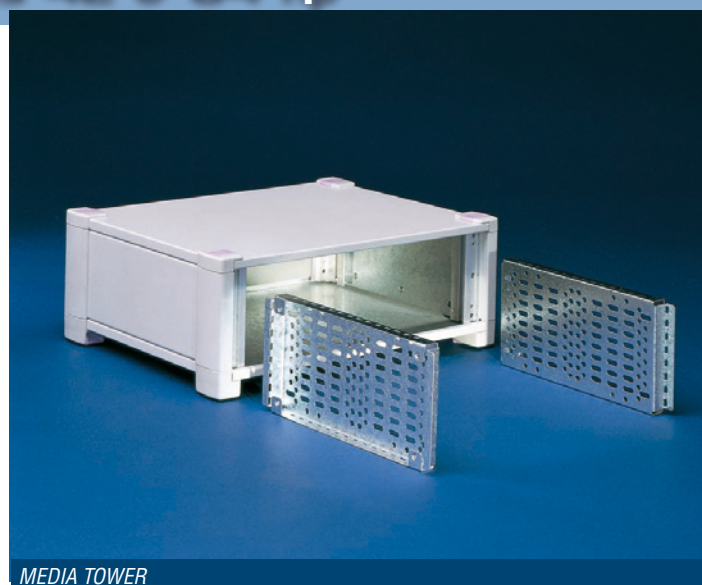
## CONTENTS OF CASE

1	Top Cover
1	Bottom Cover (Vented/Non Vented)
2	Side Panels
4	Corner extrusions (internal)
4	Corner extrusions (external)
2	Front & Rear Frame
4	Foot Moulding
2	Tilt Foot Moulding
4	Cover Moulding with clip in covers
1	Set of fixings

Light grey RAL 7025 or Two Tone Light Grey RAL 7035 and Anthracite RAL 7016.

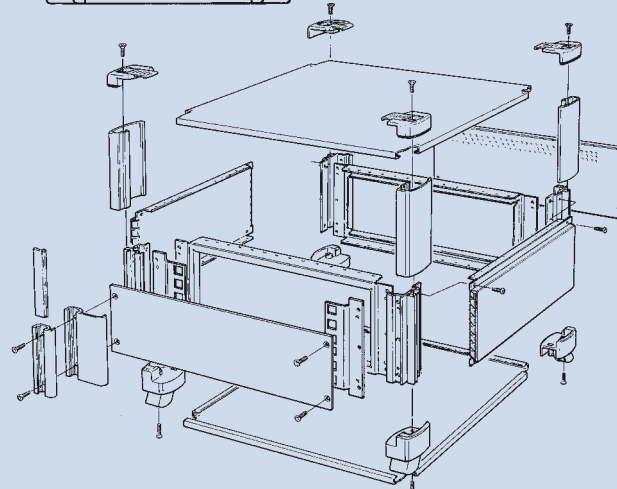
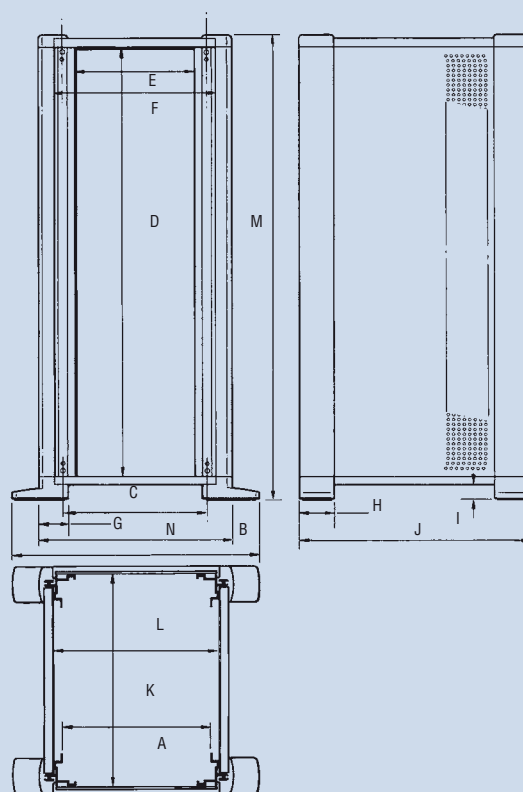
## ORDERING INFORMATION

Height	Width (hp)	Depth	Colour	Vented	E/Plate Depth
6U	42	400	Two Tone	<b>70-4004539</b>	360
6U	42	400	Light Grey	<b>70-4004540</b>	360
6U	84	400	Two Tone	<b>70-4004541</b>	360
6U	84	400	Light Grey	<b>70-4004542</b>	360
6U	42	500	Two Tone	<b>70-4004543</b>	420
6U	42	500	Light Grey	<b>70-4004544</b>	420
6U	84	500	Two Tone	<b>70-4004545</b>	420
6U	84	500	Light Grey	<b>70-4004546</b>	420



MEDIA TOWER

## DIMENSIONS



Size	Width	A	B	C	D	E	F	G	H	I	J	K	L	M	N
Media	10.5"	177.10	290.10	173.60	268.80	146.66	190.12	30	40	16	400	381.60	192.02	305.80	221.10
Media	19"	177.10	290.10	173.60	483.70	146.66	190.12	30	40	16	400	381.60	192.02	521.80	221.10

# Verotec Case: Handles & Trims

**Verotec Cases** offer 5 front trim options depending upon the application they are being used for:

**Option 1** – No front trims – this would be used when a Verotec plain front panel is used in Verotec case. In this application the front panel fixings are visible, but this option offers the ability to be able to quickly remove the front panel without removing the top cover of the case.

**Option 2** – Front Cover Trims – These can be fitted with or without a Verotec front panel and would cover the panel fixings. The covers are made up of two extrusions which slide together and require the top cover of the case to be removed adding to security. When used with a 19inch front panel the 19 inch panel fixings remain visible for simple removal of the front panel.

## FRONT COVER TRIMS ORDERING INFORMATION

height	Order Code
1U	70-132501
2U	70-132502
3U	70-132503
4U	70-4004315

**Option 3** – Front Cover Trims with handles – These trims offer the same features and benefits of the cover trims but with the infill trim being replaced by a handle infill. This gives the added benefit of being able easily lift the case front the front and offers protection to front mounted components.

## FRONT HANDLE TRIMS ORDERING INFORMATION

height	Order Code
1U	70-4004024
2U	70-4004025
3U	70-4004026
4U	70-4004312

**Option 4** – Front 19 inch Cover Trims – these offer a secure solution for 19inch front panels fitted to Verotec cases. With this option the M6 fixings are covered offering a degree of security to the assembled instrument. In order to assemble the case with these trims the top cover need to be removed

## FRONT 19" COVER TRIMS ORDERING INFORMATION

height	Order Code
1U	70-132401
2U	70-132402
3U	70-132403
4U	70-4004317

**Option 5** – Front 19 inch Cover trims with Handles – offering the same features as the Front 19 inch Cover Trims this option also offers the benefit being able to lift the instrument from the front and provides protection to front panel mounted components.

## FRONT 19" COVER HANDLE TRIMS ORDERING INFORMATION

height	Order Code
1U	70-4004027
2U	70-4004028
3U	70-4004029
4U	70-4004313

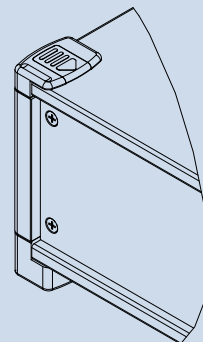
## CONTENTS OF KITS:

Cover Trims -	2off
Infill / Handle Infill -	2off
Fixings	

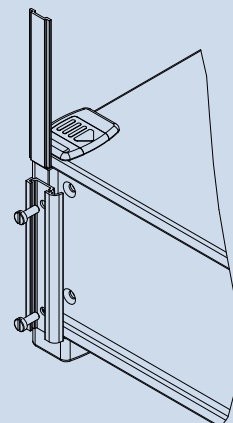
## MATERIAL SPECIFICATION:

Handles and Trims –	Extruded Aluminium alloy
Finish –	Powder Paint RAL 7035 Light Grey

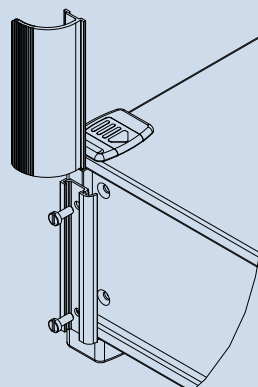
OPTION 1



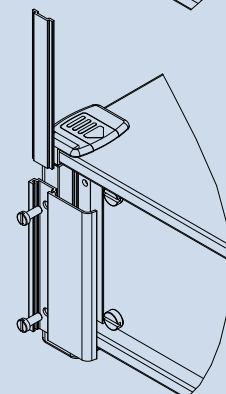
OPTION 2



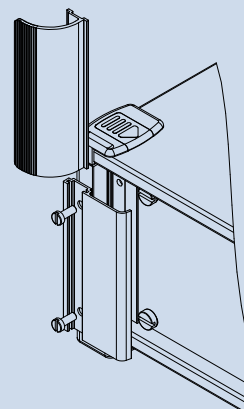
OPTION 3



OPTION 4



OPTION 5



# Verotec Case: Front & Rear Panels

**Verotec Case:** has its own range of dedicated front and rear panels. Most cases will require a rear panel, which can be either ventilated or not. Aluminium front panels are available and allow the fitment of optional trims and handles to the front of the case.

**Front Panels** for the Verotec case are supplied in anodised aluminium and are designed to provide an aesthetic front finish for the case. The front panels are manufactured from 2.5mm thick aluminium sheet which is readily modified to accept switches, displays and other front panel mounting components. The front panel fixes to the vertical extrusions in the front corners of the case. The visual appearance of the panel can be enhanced by optionally fitting trims or handle trims over the front panel. As well as improving the appearance this also enhances the security of the case by covering the front panel fixing screws. Similar to the front of the case the rear can also be fitted with a front panel and trims which as well as enhancing the visual appearance also improve the security of the unit by hiding the panel fixings.

## CONTENTS OF FRONT PANEL KITS

1	Aluminium Front Panel
4	fixing screws

## FRONT PANEL KIT ORDERING INFORMATION

Height	Width	Order Code
1U	10.5	70-258409
1U	19	70-258410
2U	10.5	70-258411
2U	19	70-258412
3U	10.5	70-258413
3U	19	70-258414
6U	10.5	70-4004555
6U	19	70-4004556

Rear Panels are supplied in 0.9mm zintec steel which is then painted in Light grey fine texture epoxy powder. There is the option to fit either a standard or ventilated rear panel. The ventilated rear panel version, whilst effective on its own, will serve to enhance the through flow of air in the Verotec case when used in conjunction with the ventilated version of the Verotec case.

## CONTENTS OF KIT

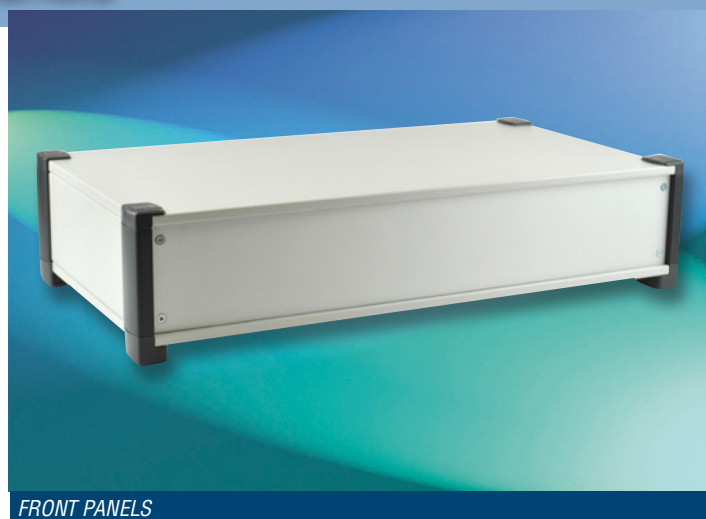
1	Rear Panel
4	Fixing Screws

## REAR PANELS ORDERING INFORMATION

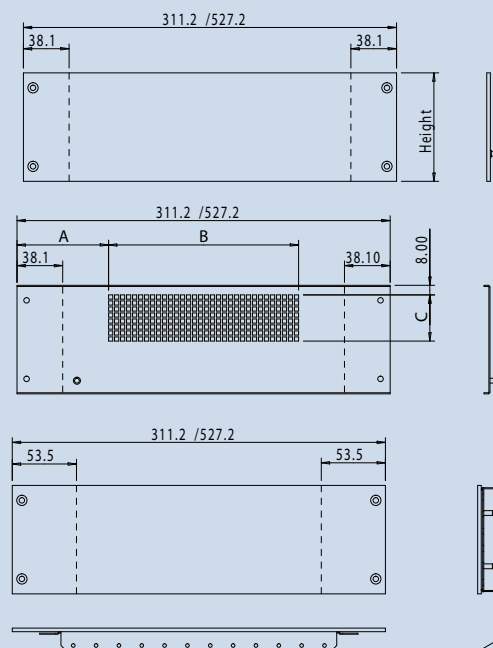
Height	Width	Order Code Vented	Order Code Unvented
1U	10.5	70-4003993	70-4004000
1U	19	70-4003994	70-4004001
2U	10.5	70-4003995	70-4004002
2U	19	70-4003996	70-4004003
3U	10.5	70-4003997	70-4004004
3U	19	70-4003998	70-4004005
6U	10.5	70-4004994	70-4004358
6U	19	70-4003995	70-4004359

## MATERIAL SPECIFICATION:

Front Panel	2.5mm 5251 Aluminium, anodised finish
Rear Panel	0.9mm Zintec Steel, light grey RAL 7035 epoxy powder fine texture

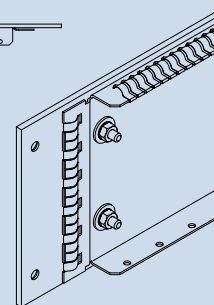


FRONT PANELS



PANEL	Dim A	Dim B	Dim C
1U 10.5"	96.35	118.5	18.5
1U 19"	104.35	318.5	18.5
2U 10.5"	76.35	158.5	38.5
2U 19"	104.35	318.5	38.5
3U 10.5"	76.35	158.5	58.5
3U 19"	104.35	318.5	58.5
6U 10.5"	76.35	158.5	98.5
6U 19"	104.35	318.5	98.5

Vented Area of Rear Panel Dimensional Table



# Verotec Case: EMC/IP Front & Rear Panels, Sealing Kits

**Verotec Case:** has the ability to upgrade with EMC and IP sealing and is one of the unique features of the Verotec Case range.

By fitting an EMC/IP panel to the front and rear of a Verotec Case it is then possible to add a combination of EMC seals or IP gaskets to provide up to 40dB attenuation at 1 GHz or an environmental seal to IP54.

With the Verotec case it is also possible to fit both types of seal together. This means that a Verotec case can provide both EMC and Environmental sealing for the same application of an instrument case.

EMC/IP Front & Rear panels are required in order to upgrade a Verotec case with EMC and Environmental seals. The panels are made up of two parts. The outer panel, which is 3mm aluminium, creates a decorative finish which is anodised. The inner panel, which is 0.9mm galvanised steel is conductive and corrosion resistant. The inner panel provides the flanges to fix the EMC or IP seals allowing them to mate with the front and rear frames of the Verotec case.

## EMC/IP FRONT & REAR PANELS ORDERING INFORMATION

Height	Width	Order Code
1U	10.5	70-4004185
1U	19	70-4004186
2U	10.5	70-4004187
2U	19	70-4004188
3U	10.5	70-4004189
3U	19	70-4004190
6U	10.5	70-4004280
6U	19	70-4004281

### CONTENTS OF KITS:

1	EMC/IP Panel
4	Fixing Screws

### MATERIAL SPECIFICATION:

Outer Panel	3mm Aluminium Alloy with anodised finish
Inner Panel	0.9mm galvanised sheet steel

EMC & IP Seal Kits are required to complete the EMC and Environmental sealing of a Verotec case. EMC kits contain all the seals need to fit into a case to enhance its screening performance. EMC kits are configured dependent upon the size of case IP gasket kits are available in two sizes one for cases of 1U & 2U and one for cases of 3U & 6U. In all cases the Verotec case will need to be disassembled to fit the seal kit and for all sizes it is possible to fit both the EMC and Environmental into the same case if so required.

## EMC & IP SEAL KITS ORDERING INFORMATION

Height	Width	EMC Seals	IP Seals
1U	10.5	70-4004041	70-4004047
1U	19	70-4004042	70-4004047
2U	10.5	70-4004043	70-4004047
2U	19	70-4004044	70-4004047
3U	10.5	70-4004045	70-4004048
3U	19	70-4004046	70-4004048
6U	10.5	70-4004559	70-4004048
6U	19	70-4004560	70-4004048

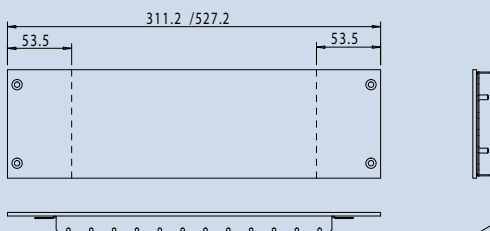
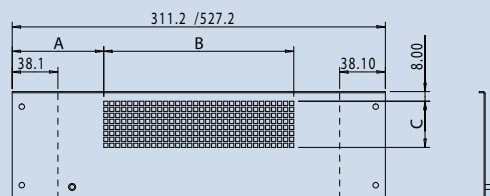
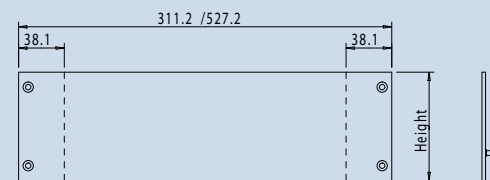
### CONTENTS OF KITS:

EMC Seal Kits –	1 set of contact strips
IP Seal Kits –	1 set of self-adhesive gaskets

### MATERIAL SPECIFICATION:

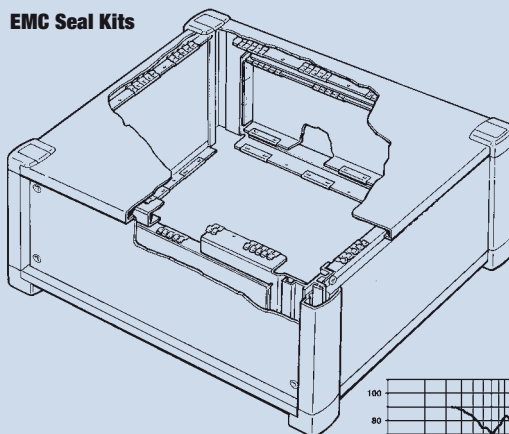
EMC Seal Kit –	Beryllium Copper fingers
IP Seal Kits –	Self-adhesive PVC foam gaskets

## EMC/IP Front & Rear Panels

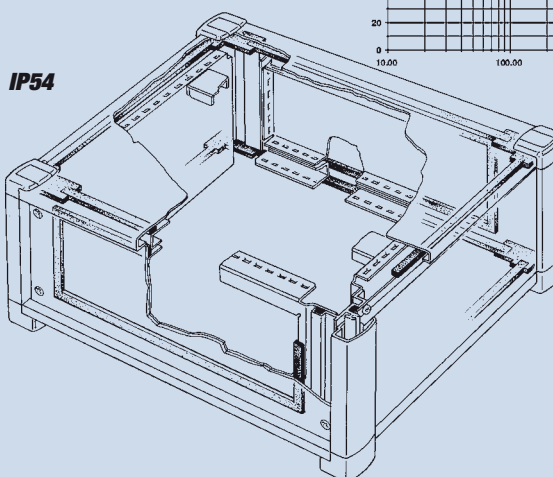


PANEL	Dim A	Dim B	Dim C
1U 10.5"	96.35	118.5	18.5
1U 19"	104.35	318.5	18.5
2U 10.5"	76.35	158.5	38.5
2U 19"	104.35	318.5	38.5
3U 10.5"	76.35	158.5	58.5
3U 19"	104.35	318.5	58.5
6U 10.5"	76.35	158.5	98.5
6U 19"	104.35	318.5	98.5

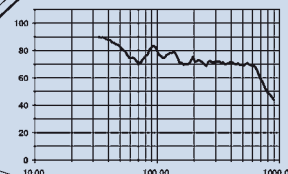
## EMC Seal Kits



## IP Seal Kits



## IP54



# Verotec Case: Accessories

## CHASSIS TRAYS AND SUPPORT KITS

These are sold as separate items to give the maximum flexibility when creating an internal tray within a Verotec case. Chassis tray supports are available in 4 depths each to suit the overall depth of the case they are fitted to.

Chassis trays are available in a range of depths and two widths 19inch and 10.5 inch. They are intended for the mounting of discreet components which would not normally be mounted in a 19inch enclosure. If required, more than one tray can be fitted to match the depth of the case, with a space to allow cables to be passed between them.

## CHASSIS TRAY SUPPORT KIT ORDERING INFORMATION

### CONTENTS OF KIT:

2off	Chassis Tray Support - 1.2mm Galvanised Steel
4off	Fixing screws & Washers

## CHASSIS TRAY KIT ORDERING INFORMATION

Case Depth	Order Code
260	70-4004030
300	70-4004031
400	70-4004032
500	70-4004563

### CONTENTS OF KIT:

1off	Chassis Tray - 0.9mm Galvanised Steel
4off	Fixings screws & nuts

## CARRY HANDLES

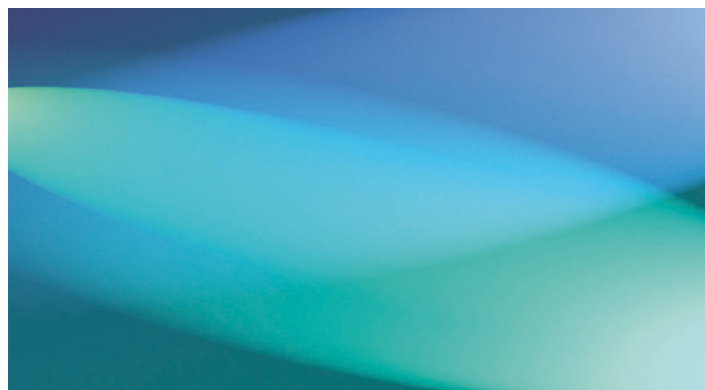
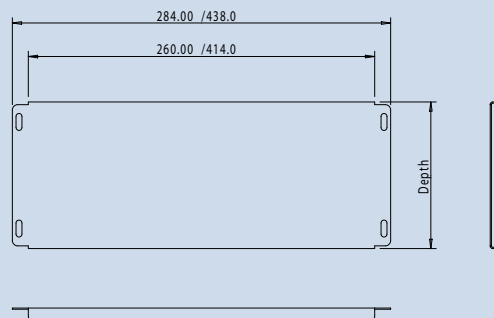
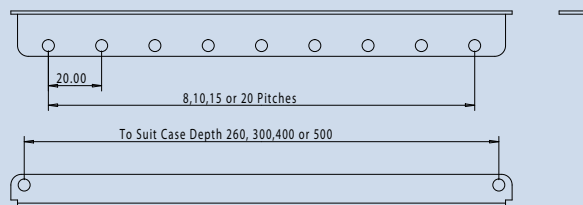
These are available to suite suit both 19 inch (Full width) and 10.5 inch (Half Width) Verotec cases and caseframes. They will hold up to 30kg and have a push button tilt mechanism in increments of 30 degrees. This allow the Verotec case to be carried or tilted on a work surface

## CARRY HANDLES ORDERING INFORMATION

Depth	Width	Order Code
Any	10.5	70-4004564
Any	19	70-4004565

### CONTENTS OF KIT:

2 off	Side Arms – Polycarbonate mid grey BS4800-00-A05
2 off	Location Mouldings - Polycarbonate mid grey BS4800-00-A05
2 off	Push Button Mouldings – Polycarbonate light grey BS4800-00-A01
1 off	Cross Bar – Extruded Aluminium, anodised
Fixings	



## TRANSPARENT HINGED DOOR KITS

Verotec Cases can be fitted with stylish and attractive transparent doors, which provide both security and improved aesthetics.

### CONTENTS OF KIT:

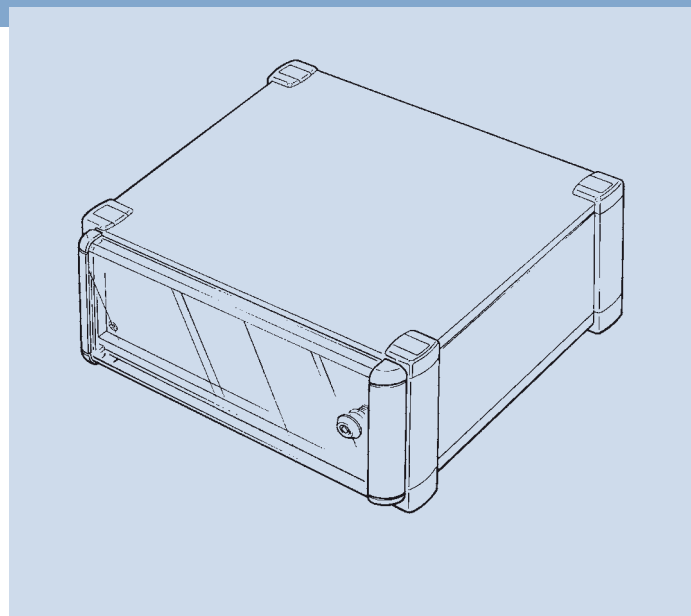
1	Transparent Door
	Fixing Kit

### MATERIAL SPECIFICATION

Extruded Sections	: Aluminium Alloy
Transparent Window	: 3mm Acrylic

Height	Width	Order Code
1U	10.5	70-4004566
1U	19	70-4004567
2U	10.5	70-4004568
2U	19	70-4004569
3U	10.5	70-4004570
3U	19	70-4004571
6U	10.5	70-4004572

Available only on TecServ+ -Subject to Min Order Qty



### VEROTEC CASE & CASEFRAME - ACCESSORY INDEX

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KM6 DIN Connector Mounting Frames	1.34
KM6 Backplane spacers	1.34
KM6 Connector Mounting Rear Tie Bars	1.32
KM6 PCB Retainers	1.37
KM6 PCB Guide Nose extender	1.37
KM6 PCB Ejectors & Ejector/Injectors	1.38
KM6 Divider Kits	1.42
KM6 Rear Divider Kits	1.43
KM6 Horizontal Mounting Modules	1.45
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KM6 Horizontally Hinged Front Panels	2.04
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