



Mining And Surface Certification (Pty) Ltd

2015/021934/07

THIS CERTIFICATE IS ISSUED AS A CERTIFICATE OF CONFORMANCE AS PER DETAILS BELOW

IP CERTIFICATE	MASC 22-2334	Issue	1
Issue Date	24 October 2022		
Applicant	World Power Products (Pty) Ltd, 130 Side Road, West Turffontein, Johannesburg		
Manufacturer	World Power Products (Pty) Ltd, 130 Side Road, West Turffontein, Johannesburg		
Description (See "Annex A" below)			
Equipment	PERANO Range	Type	"Refer To Annex A Table 1"
Photo			
MARKING: <i>Must be additionally applied to the equipment</i>	Applicant / Manufacturer Type IP Rating IP Certificate Serial Number	World Power Products (Pty) Ltd "Refer To Annex A Table 1" IP66 MASC 22-2334 See "Annex A" below	
WARNING(S)	None		
Compliance:			
The equipment as described above has been allocated the rating IP66 utilizing the SANS/IEC Standards:			
<ul style="list-style-type: none"> SANS (IEC) 60529 (Ed 1.2) 2013 Degrees of protection provided by enclosure (IP Code) 			
<i>Note: This certificate covers only the listed standards and does not imply compliance to any other standard, related or inferred. It is up to the manufacturer to ensure that the product complies to all relevant standards for the application.</i>			
Conditions of certification:			
<ul style="list-style-type: none"> All gaskets / O-rings must remain intact to maintain the IP66 rating. All connections must be done to maintain the IP66 rating. A breather, if used on equipment must have an IP66 rating. 			
 F. van Wyk TECHNICAL SPECIALIST		 M. Erasmus TECHNICAL SPECIALIST	
<p style="text-align: center;">This certificate only covers the sample submitted and does not cover production units.</p> <p>According to the relevant requirements of the MHS Act and the OHS Act, production units of explosion protected equipment are required to comply with third party quality assurance (an approved mark scheme or batch testing by an accredited test laboratory).</p>			



Apparatus in hazardous locations is subject to the following provisions as applicable, which shall be adhered to:

- SANS 10086 requirements;
- Any conditions mentioned in the above certificate;
- Any relevant requirements of the MHS Act;
- Any restrictions and conditions enforced by the chief inspector of mines, principal inspector (Group I equipment) or chief inspector of factories (Group II equipment).



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IP CERTIFICATE: MASC 22-2334
Equipment: PERANO Range
(Revision 1 – Include New Ranges)

ANNEX A

Description	Enclosure	Populated	Unpopulated																																																																																																																																																																		
		General	<p>The PERANO Range are manufactured by World Power Products (Pty) Ltd.</p> <p>The PERANO range consist of multiple enclosures (Refer to "Table 1" below). The enclosures are manufactured from 304 stainless steel, 316 stainless steel or 3CR12 stainless steel.</p> <p>All enclosures are provided with a hinged door, fitted with panel locks and can be supplied with or without gland plate. Polyurethane gaskets installed on the doors and/or on the gland plates ensures the prevention of dust and moisture and to maintain IP66 rating.</p> <p align="center">PERANO® Standard Wall Mount Enclosures</p> <table border="1"> <thead> <tr> <th colspan="5">MILD STEEL - IP65 - NO GLAND PLATE - Colour: Orange (B26) or Grey (RAL7032)</th> </tr> <tr> <th>Product Code (Orange)</th> <th>Product Code (Grey)</th> <th>Height (mm)</th> <th>Width (mm)</th> <th>Depth (mm)</th> </tr> </thead> <tbody> <tr><td>200 O</td><td>200 G</td><td>175</td><td>250</td><td>170</td></tr> <tr><td>201 O</td><td>201 G</td><td>350</td><td>250</td><td>170</td></tr> <tr><td>202 O</td><td>202 G</td><td>450</td><td>300</td><td>220</td></tr> <tr><td>203 O</td><td>203 G</td><td>550</td><td>400</td><td>220</td></tr> <tr><td>204 O</td><td>204 G</td><td>650</td><td>450</td><td>270</td></tr> <tr><td>205 O</td><td>205 G</td><td>750</td><td>550</td><td>270</td></tr> <tr><td>205A O</td><td>205A G</td><td>850</td><td>650</td><td>270</td></tr> <tr><td>206 O</td><td>206 G</td><td>950</td><td>700</td><td>270</td></tr> <tr><td>207 O</td><td>207 G</td><td>1150</td><td>850</td><td>270</td></tr> </tbody> </table> <table border="1"> <thead> <tr> <th colspan="5">MILD STEEL - IP66 - WITH GLAND PLATE - Colour: Orange (B26) or Grey (RAL7032)</th> </tr> <tr> <th>Product Code (Orange)</th> <th>Product Code (Grey)</th> <th>Height (mm)</th> <th>Width (mm)</th> <th>Depth (mm)</th> </tr> </thead> <tbody> <tr><td>101 O</td><td>101 G</td><td>350</td><td>250</td><td>170</td></tr> <tr><td>102 O</td><td>102 G</td><td>450</td><td>300</td><td>220</td></tr> <tr><td>103 O</td><td>103 G</td><td>550</td><td>400</td><td>220</td></tr> <tr><td>104 O</td><td>104 G</td><td>650</td><td>450</td><td>270</td></tr> <tr><td>105 O</td><td>105 G</td><td>750</td><td>550</td><td>270</td></tr> <tr><td>105A O</td><td>105A G</td><td>850</td><td>650</td><td>270</td></tr> <tr><td>106 O</td><td>106 G</td><td>950</td><td>700</td><td>270</td></tr> <tr><td>107 O</td><td>107 G</td><td>1150</td><td>850</td><td>270</td></tr> </tbody> </table> <table border="1"> <thead> <tr> <th colspan="5">3CR12 - IP65 - NO GLAND PLATE - Colour: Orange (B26) or Grey (RAL7032)</th> </tr> <tr> <th>Product Code (Orange)</th> <th>Product Code (Grey)</th> <th>Height (mm)</th> <th>Width (mm)</th> <th>Depth (mm)</th> </tr> </thead> <tbody> <tr><td>ME551 O</td><td>ME551 G</td><td>350</td><td>250</td><td>170</td></tr> <tr><td>ME552 O</td><td>ME552 G</td><td>400</td><td>300</td><td>220</td></tr> <tr><td>ME553 O</td><td>ME553 G</td><td>500</td><td>400</td><td>220</td></tr> <tr><td>ME554 O</td><td>ME554 G</td><td>600</td><td>400</td><td>220</td></tr> <tr><td>ME555 O</td><td>ME555 G</td><td>600</td><td>500</td><td>220</td></tr> <tr><td>ME556 O</td><td>ME556 G</td><td>700</td><td>600</td><td>270</td></tr> <tr><td>ME557 O</td><td>ME557 G</td><td>800</td><td>600</td><td>270</td></tr> <tr><td>ME558 O</td><td>ME558 G</td><td>900</td><td>700</td><td>320</td></tr> <tr><td>ME559 O</td><td>ME559 G</td><td>1000</td><td>800</td><td>320</td></tr> </tbody> </table>				MILD STEEL - IP65 - NO GLAND PLATE - Colour: Orange (B26) or Grey (RAL7032)					Product Code (Orange)	Product Code (Grey)	Height (mm)	Width (mm)	Depth (mm)	200 O	200 G	175	250	170	201 O	201 G	350	250	170	202 O	202 G	450	300	220	203 O	203 G	550	400	220	204 O	204 G	650	450	270	205 O	205 G	750	550	270	205A O	205A G	850	650	270	206 O	206 G	950	700	270	207 O	207 G	1150	850	270	MILD STEEL - IP66 - WITH GLAND PLATE - Colour: Orange (B26) or Grey (RAL7032)					Product Code (Orange)	Product Code (Grey)	Height (mm)	Width (mm)	Depth (mm)	101 O	101 G	350	250	170	102 O	102 G	450	300	220	103 O	103 G	550	400	220	104 O	104 G	650	450	270	105 O	105 G	750	550	270	105A O	105A G	850	650	270	106 O	106 G	950	700	270	107 O	107 G	1150	850	270	3CR12 - IP65 - NO GLAND PLATE - Colour: Orange (B26) or Grey (RAL7032)					Product Code (Orange)	Product Code (Grey)	Height (mm)	Width (mm)	Depth (mm)	ME551 O	ME551 G	350	250	170	ME552 O	ME552 G	400	300	220	ME553 O	ME553 G	500	400	220	ME554 O	ME554 G	600	400	220	ME555 O	ME555 G	600	500	220	ME556 O	ME556 G	700	600	270	ME557 O	ME557 G	800	600	270	ME558 O	ME558 G	900	700	320	ME559 O	ME559 G	1000	800
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3CR12 – IP66 – With Gland Plate – Colour: Orange (B26) or Grey (RAL 7032)				
Product Code (Orange)	Product Code (Grey)	Height (mm)	Width (mm)	Depth (mm)
ME651 O	ME651 G	350	250	170
ME652 O	ME652 G	400	300	220
ME653 O	ME653 G	500	400	220
ME654 O	ME654 G	600	400	220
ME655 O	ME655 G	600	500	220
ME656 O	ME656 G	700	600	270
ME657 O	ME657 G	800	600	270
ME658 O	ME658 G	900	700	320
ME659 O	ME659 G	1000	800	320

Stainless Steel 304 – IP66 – Colour: Orange (B26) or Grey (RAL 7032)				
Product Code (Orange)	Product Code (Grey)	Height (mm)	Width (mm)	Depth (mm)
ME3041 O	ME3041 G	350	250	170
ME3042 O	ME3042 G	400	300	220
ME3043 O	ME3043 G	500	400	220
ME3044 O	ME3044 G	600	400	220
ME3045 O	ME3045 G	600	500	220
ME3046 O	ME3046 G	700	600	270
ME3047 O	ME3047 G	800	600	270
ME3048 O	ME3048 G	900	700	320
ME3049 O	ME3049 G	1000	800	320

Stainless Steel 304 – IP66 – Brushed Finish (Natural)				
Product Code (Brushed)		Height (mm)	Width (mm)	Depth (mm)
ME3041 B		350	250	170
ME3042 B		400	300	220
ME3043 B		500	400	220
ME3044 B		600	400	220
ME3045 B		600	500	220
ME3046 B		700	600	270
ME3047 B		800	600	270
ME3048 B		900	700	320
ME3049 B		1000	800	320

Stainless Steel 316 – IP66 – Colour: Orange (B26) or Grey (RAL 7032)				
Product Code (Orange)	Product Code (Grey)	Height (mm)	Width (mm)	Depth (mm)
ME3161 O	ME3161 G	350	250	170
ME3162 O	ME3162 G	400	300	220
ME3163 O	ME3163 G	500	400	220
ME3164 O	ME3164 G	600	400	220
ME3165 O	ME3165 G	600	500	220
ME3166 O	ME3166 G	700	600	270
ME3167 O	ME3167 G	800	600	270

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	ME3168 O	ME3168 G	900	700	320
	ME3169 O	ME3169 G	1000	800	320
	Stainless Steel 316 – IP66 – Brushed Finish (Natural)				
	Product Code (Brushed)		Height (mm)	Width (mm)	Depth (mm)
	ME3161 B		350	250	170
	ME3162 B		400	300	220
	ME3163 B		500	400	220
	ME3164 B		600	400	220
	ME3165 B		600	500	220
	ME3166 B		700	600	270
	ME3167 B		800	600	270
	ME3168 B		900	700	320
	ME3169 B		1000	800	320
	Population	Unpopulated			
Standard compliance	See "certificate" above				
Warnings	See "certificate" above				
Conditions of Certification	See "certificate" above				

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