








# PRISMS OVERVIEW

Parameters					
	<b>POA 26</b> #2115938 Cateye target plate	<b>POA 23</b> #2042046 Copper coated prism	<b>POA 101</b> #2310199 Reflective foil	<b>POA 102</b> #2310807 Reflector target	<b>POA 103</b> #2310808 Prism
<b>Range: Locking</b>	PLT 300: 50 meters	PLT 300: 100 meters POS 150/180: 300 meters	PLT 300: 40 meters	PLT 300: 40 meters	PLT 300: 100 meters POS 150/180: 300 meters
<b>Range: Manual</b>	POS 150/180: 100 meters POS 15/18: 100 meters	POS 15/18: 300 meters	POS 150/180: 100 meters POS 15/18: 100 meters	POS 150/180: 100 meters POS 15/18: 100 meters	POS 15/18: 200 meters
<b>3D measuring repeatability &lt;math&gt;&lt;20^\circ&lt;/math&gt;</b>	+/-3 mm*				
<b>Prism Constant</b>	-2 mm	-18 mm	0 mm	1 mm	-17 mm
<b>Rotation:</b>					
 vertical				✓	✓
 horizontal				✓	✓
<b>Tips for prism use</b>	<ul style="list-style-type: none"> <li>• Only mount on flat surfaces</li> <li>• To attach the POA 26 to an object the adhesive foil POA 30 #2126060 can be used.</li> </ul>		<ul style="list-style-type: none"> <li>• Only mount on flat surfaces</li> <li>• Surface needs to be cleaned prior to installation, to ensure adhesion</li> </ul>	<ul style="list-style-type: none"> <li>• The POA 102 and POA 103 are compatible with: The POA 124 Mount #2310400 The POA 125 Wall mount #2310401</li> </ul>	
<b>Tips for Auto-Stationing</b>	Auto-Stationing can only be done with the PLT 300 tool and POA 26 target A minimum of 4 targets for Auto-Stationing is recommended Installation height should be at the height of the instrument for best results with Auto-Stationing				
<b>General Recommendations</b>	A minimum of 3 targets for stationing is recommended. Targets used in stationing should encompass and be located outside the measuring/layout area. Do not use damaged, scratched, dirty or wet targets. For best accuracy, the angle of incidence between the instrument and the target shall not exceed +/- 20 degrees.				

\* Typical measuring accuracy tends to be better based on averaging of measurements for the stationing calculation. To achieve highest possible accuracy, keep angle of incident as small as possible. Data applicable for PLT300.