

# ONE OF THE BEST PRISMS IN THE WORLD

Featuring Prisms tested by an In-house **ZYGO Interferometer**

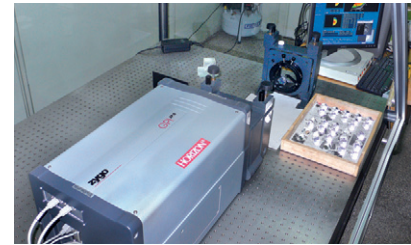
HORIZON Prisms Systems are **one of the best in the World**. HORIZON can professionally verify their prism accuracy on an in-house ZYGO Interferometer upon demand.

While most other Prism manufacturers claim certain accuracies, HORIZON can actually certify such claims. Strict quality control assures that only the best HORIZON Prism Systems leave our warehouse.

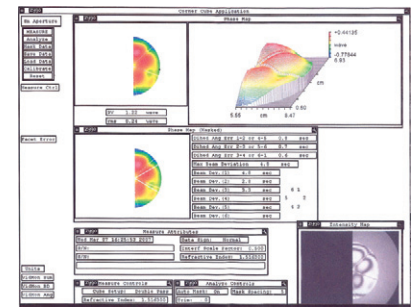
Our Prism Systems are **compatible with all the major brands** of instruments like Leica, Topcon, Sokkia, Nikon, Pentax and Trimble.

## Features of the HORIZON Prism Systems:

- HORIZON Prisms are checked and certified by In-house Interferometer
- Prism accuracy is below 5 arc seconds. Certification of the Prism Accuracy is possible upon demand
- Available in Silver, Copper coating, or plain with no coating
- Available in 64mm and 65mm, and 25.4mm/38mm for mini Prisms
- Canister for 64/65mm available in orange, yellow and black
- Canisters are drop resistant
- Alternative sizes may be available upon request
- Prism offsets are 0, 30mm generally, and -34.4mm for Leica instruments
- Prism customisation possible upon request



**The ZYGO Interferometer**  
Batch testing of Horizon Prisms



**Prism accuracy print-out**  
The results from verifying a Prism's accuracy & clarity using the ZYGO Interferometer



**ADS 10**  
ADS 0010 (Set)



**ADS 11**  
ADS 0011



**ADS 12**  
ADS 0012



**ADS 13**  
ADS 0013



**ADS 16**  
ADS 0016



**ADS 17**  
ADS 0017



**ADS 18**  
ADS 0018



**ADS 21**  
ADS 0021



**ADS 22**  
ADS 0022



**ADS 23**  
ADS 0023



**Optional ADS Soft Carrying Case**  
ADS SPAB01 (Item interchangeable for the standard ADS Carrying Case or purchased separately)



**ADS 27**  
ADS 0027



**ADS 30**  
ADS 0030



**ADS 35**  
ADS 0035



**Standard ADS Carrying Case**  
ADS AX02 (Come with all reflector Systems)

# MINI PRISM SYSTEMS - PORTABLE & EASY

When you need something that is small, portable light and gets the job done, look no further than these Mini ADS Prism Sets

Being small does not make these systems fragile. These sets of silver/copper coated Mini Prism Systems are mounted in air tight housings to protect against shock, dirt and moisture.

- Drop/Shock Resistant
- Prisms are housed in a Water Proof Housing

## Used for Monitoring (Only the ADS 114)

- Structures
  - Bridges
  - Tunnels
  - Buildings
- Plus others



**NEW & IMPROVED**  
100% Secure Mounting  
of Prism within Housing



**ADS 114**  
ADS 0114-N



**ADS 102**  
ADS 0102



**ADS 104**  
ADS 0104



**ADS 105A**  
ADS 0105 (38mm)



**ADS 105B**  
ADS 0105 (25mm)



**ADS 112**  
ADS 0112(0/30)  
ADS 0112(17.5)



**ADS 103 (Shown with optional Tripod)**  
ADS 0103



ADS Mini Prism Specifications	ADS 102	ADS 103	ADS 104	ADS 105A	ADS 105B	ADS 112	ADS 114
Prism Size	25.4mm	25.4mm	25.4mm	38mm	25.4mm	25.4mm	25.4mm
Coating	Silver	Silver	Silver	Silver	Silver	Copper	Copper
Prism Constant	0/30mm	0	0/30mm	0/30mm	0/30mm	0/30mm/17.5mm	25.4mm
Mini Pole	None	3x60cm/4x25cm	None	3x60cm	3x60cm	4x30cm	None

Note: \*Available in yellow and red colour for ADS 104 / Mini Pole (4 x 25cm) is available for ADS 105A & 105B upon request

# AK SERIES PRISM SETS - SIMPLIFIED & READY ACCURACY

**Accessory Information** - All AK Series Prism Sets are supplied with Prism in Canister, Prism holder, Prism Cover, Target Plate and Soft Padded Carrying Case

AK Series Prism Systems	The AK 16T	All models
Prism Size	Ø65mm	Ø64mm
Prism Constant	-34.4mm	0 & 30mm
Prism/Target Height	100mm	100mm

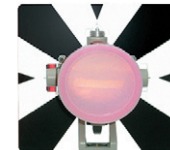
All ADS Prism Pole Graduation are calibrated to suit AK Prism Series target height



**AK 10T**  
ADS 0010



**AK 11T**  
ADS 0100



**AK 12T**  
ADS 0120



**AK 16T**  
ADS 0160



**AK 17T**  
ADS 0170



**AK 18T**  
ADS 0180



**AK 21T**  
ADS 0210



**AK 22T**  
ADS 0220



**AK 23T**  
ADS 0230

# ONE OF THE BEST 360° ALL-ROUNDERS

## The HORIZON 360° Prism System

The most versatile Prism with a 360° Omni Directional Measurement capacity. It eliminates manual positioning of the Prism which saves time and manpower. This allows the certain surveying jobs to be a one man operation.

This is also why this Prism is essential for Hydro Surveying, where 360° measurability is important.

Besides Point Surveying, this nifty Prism also does 3D Profiling and is highly compatible with Total Stations.



ADS Type L(left) & ADS Type 5/8"(centre)  
Sighting Pole (right)  
ADS 360PR(L) & ADS 360PR(5/8)

## HORIZON 360° Type L & Type 5/8 Prism System

- Mounted on pole or Tribrach.
- Measurement from any direction
- Land & Hydro Survey
- Copper Coated Prisms
- Bayonet Leica or 5/8" fitting
- Range :1200 meters

ADS 360PR Series Specifications	ADS 360 Type L	ADS 360 Type 5/8
Prism Constant	-10mm	-10mm
Average Measuring Range	1200m	1200m
Mounting Adapter	Leica Bayonet Type Adapter	5/8" x 11 Adapter
Prism Accuracy	5"	5"
Dimension	143.5 x 64	157 x 64
Weight	360g	350g

## HORIZON 360° ADS 107

A light weight 360° Prism System is created by mounting 8 pieces of Prism of Ø16mm 45° interval.

ADS 360PR Series Specifications	ADS 107	ADS 109
Prism Constant	8mm	4mm
Prism Centre Height	40mm	40mm
Dimensions	Ø60 x H75mm	Ø74 x H96mm
Mounting Adapter	Leica or 5/8"	Leica or 5/8"



ADS 107  
ADS 107PR



All ADS 360° Prisms  
come with Standard  
Soft Carry Cases

# ONE OF THE WORLD'S BEST PRISMS

## Unmounted Prisms & Prism Holders

HORIZON Prism one of the world's best because they are verified up to an accuracy of 2 arc seconds.

In this section we would like to highlight the fact that we have an experienced team which can customise any Prism size or coating to suit your exact manufacturing needs and specifications.

Besides the Prism, Horizon provides customised Prism Holders and Holders, made from aluminium and plastics to be light weight, portable and tough.

- High verified accuracy
- Customised sizes and accuracy
- Choice of plain Glass, Silver or Copper coating



Various Types of Prisms in different shapes, sizes and coatings  
(Customisation of Prisms available)



25mm Prism  
in Canister  
ADS 0102PR(MC)

CPR1  
ADS 65MMPR(MC)

64mm prism in red  
Canister AY01  
ADS 64MMPR(MUC)R1

64mm prism in  
yellow Canister  
AY01  
ADS 64MMPR(MUC)Y1

Flashing Prism  
ADS PRLED(R)

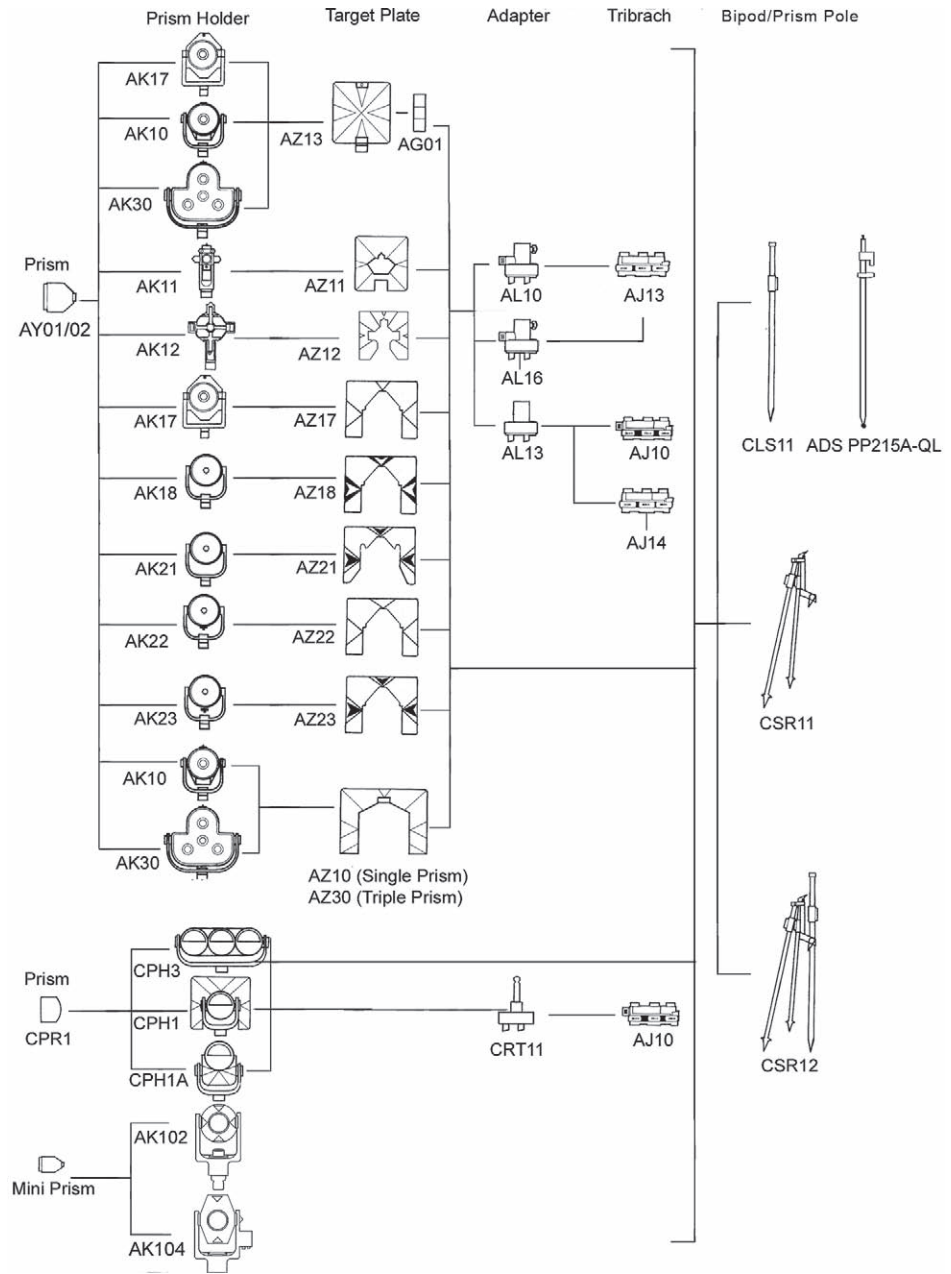
Various Types of Unmounted Prisms in different shapes and sizes

# QUALITY PRISM HOLDERS



Various Types of Prisms Holders in different shapes and sizes

# THE ADS REFLECTOR FAMILY TREE COMPATIBILITY IS OUR MIDDLE NAME



## ADS Reflector Systems Interlinked for full compatibility

HORIZON Reflector Systems are inter linked in a way to provide the full range of products to suit any need, no matter which part is required. A full support system for the Worlds Best Prisms.

Horizon Reflector Systems are thus fully compatible with all major brands of Total Station and Electronic Distance Meters such as Leica, Topcon, Sokkia Nikon, Pentax, Trimble and Zeiss.