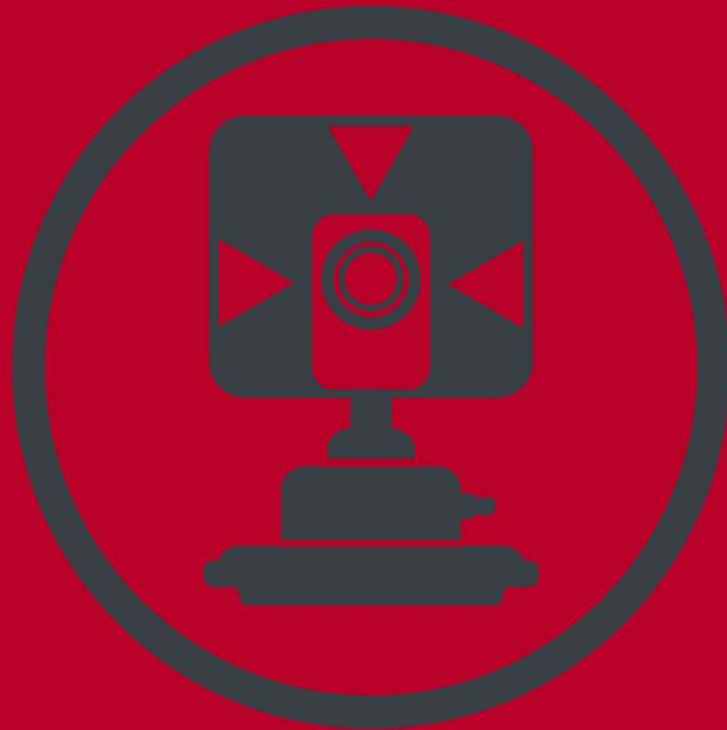


# ADS Reflector Systems



# ONE OF THE BEST PRISMS IN THE WORLD

Featuring Prisms tested by an In-house ZYGO Interferometer



**ADS 10**  
ADS 0010



**ADS 11**  
ADS 0011



**ADS 12**  
ADS 0012



**ADS 16**  
ADS 0016



**ADS 17**  
ADS 0017



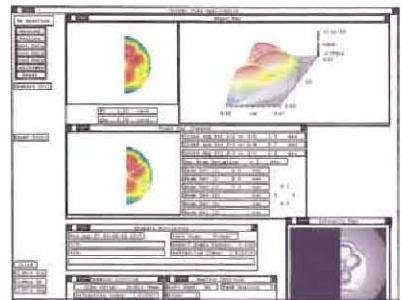
**ADS 18**  
ADS 0018

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



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

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.



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

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

### Standard ADS Carrying Case

ADS AX02

(Come with all reflector Systems)



### Optional ADS Soft Carrying Case

ADS SPAB01

(Item interchangeable for the standard ADS Carrying Case or purchased separately)



# SIMPLIFIED & READY

## SAME EASE & 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 other models shown
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



**Standard Carrying Case**  
Comes with all AK Series Prism Sets

# LIGHT & READY

THIS RANGE OF MINI PRISM SYSTEMS ARE DESIGNED WITH PORTABILITY IN MIND

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



**ADS 114 Mini Prism System**  
ADS 0114



**ADS 102 Mini Prism System**  
ADS 0102  
(Standard Accessories on next page)



**ADS 104 Mini Prism System**  
ADS 0104  
(Standard Accessories on next page)



**ADS 105A Mini Prism System**  
ADS 0105 (38mm)  
(Standard Accessories on next page)



**ADS 105B Mini Prism System**  
ADS 0105 (25mm)  
(Standard Accessories on next page)



**ADS 112 Mini Prism System**  
ADS 0112(0/30)  
ADS 0112(17.5)  
(Standard Accessories on next page)



**ADS 103 Mini Prism System (Shown with optional Tripod)**  
(Standard Accessories on next page)  
ADS 0103

# PORTABLE & EASY

## Features of the HORIZON Mini Prism Systems:

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

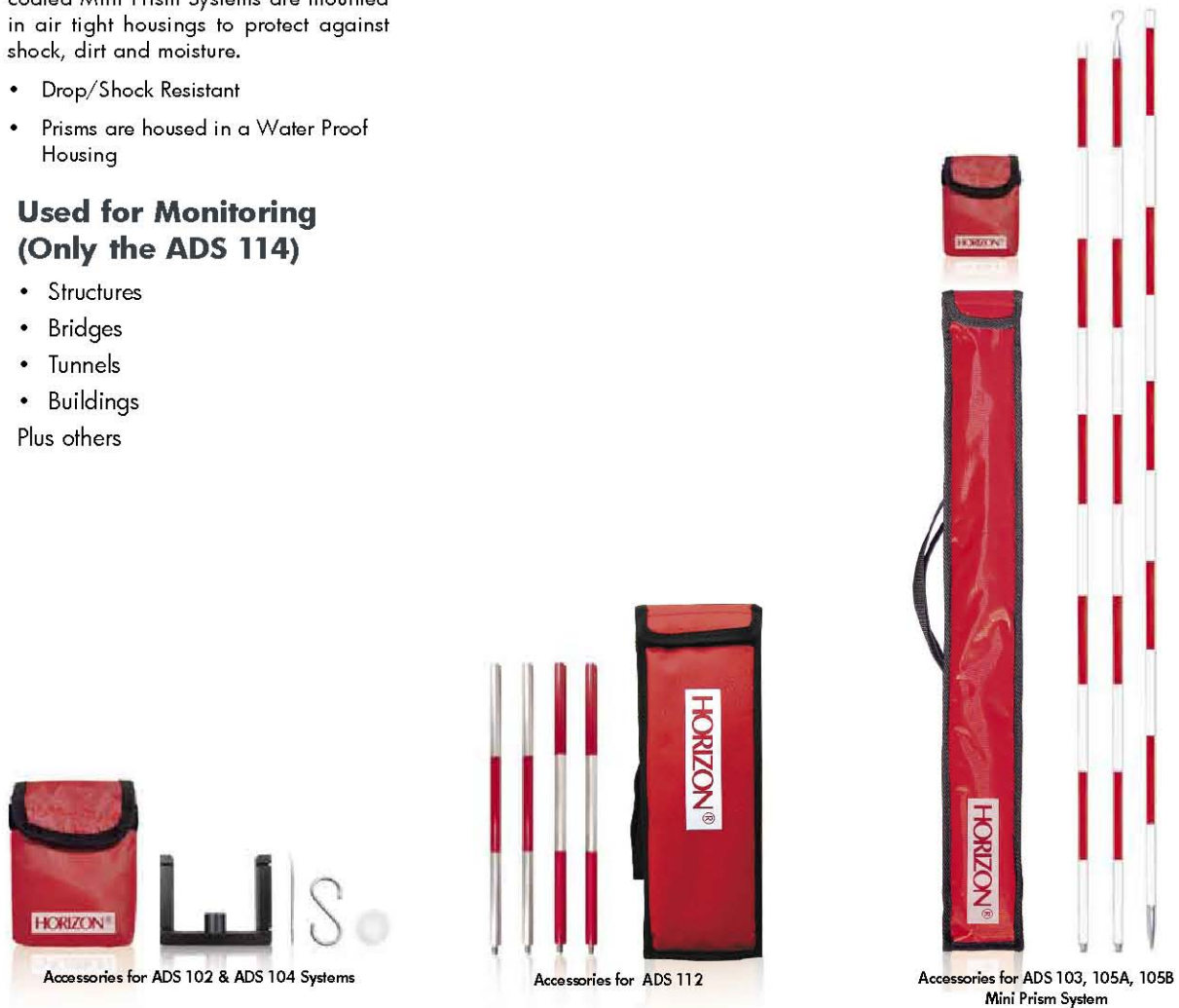
Being small does not make these systems fragile. These sets of silver/copper coated Mini Prism Systems are mounted in air tight housings to protect against shock, dirt and moisture.

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

## Used for Monitoring (Only the ADS 114)

- Structures
- Bridges
- Tunnels
- Buildings

Plus others



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

Note: \*Available in yellow and red colour for ADS 104

: Mini Pole (4 x 25cm) is available for ADS 105A & 105B upon request

# ONE OF THE BEST 360° ALL-ROUNDER

## 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



ADS 107  
ADS 107PR



All ADS 360° Prisms come with Standard Soft Carry Cases

## 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"

# ONE OF THE WORLD'S BEST PRISMS & PRISM HOLDERS

## 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(MUC)

**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**



**AK10\***  
ADS PHAK10



**AK11**  
ADS PHAK11



**AK12**  
ADS PHAK12



**AK17\***  
ADS PHAK17



**AK18**  
ADS PHAK18



**AK21**  
ADS PHAK21



**AK22**  
ADS PHAK22



**AK23**  
ADS PHAK23



**AK30\***  
ADS PHAK30



**AK102**  
ADS PHAK102



**AK104**  
ADS PHAK104



**AK112**  
ADS PHAK112



**CPH1**  
ADS PHCPH1

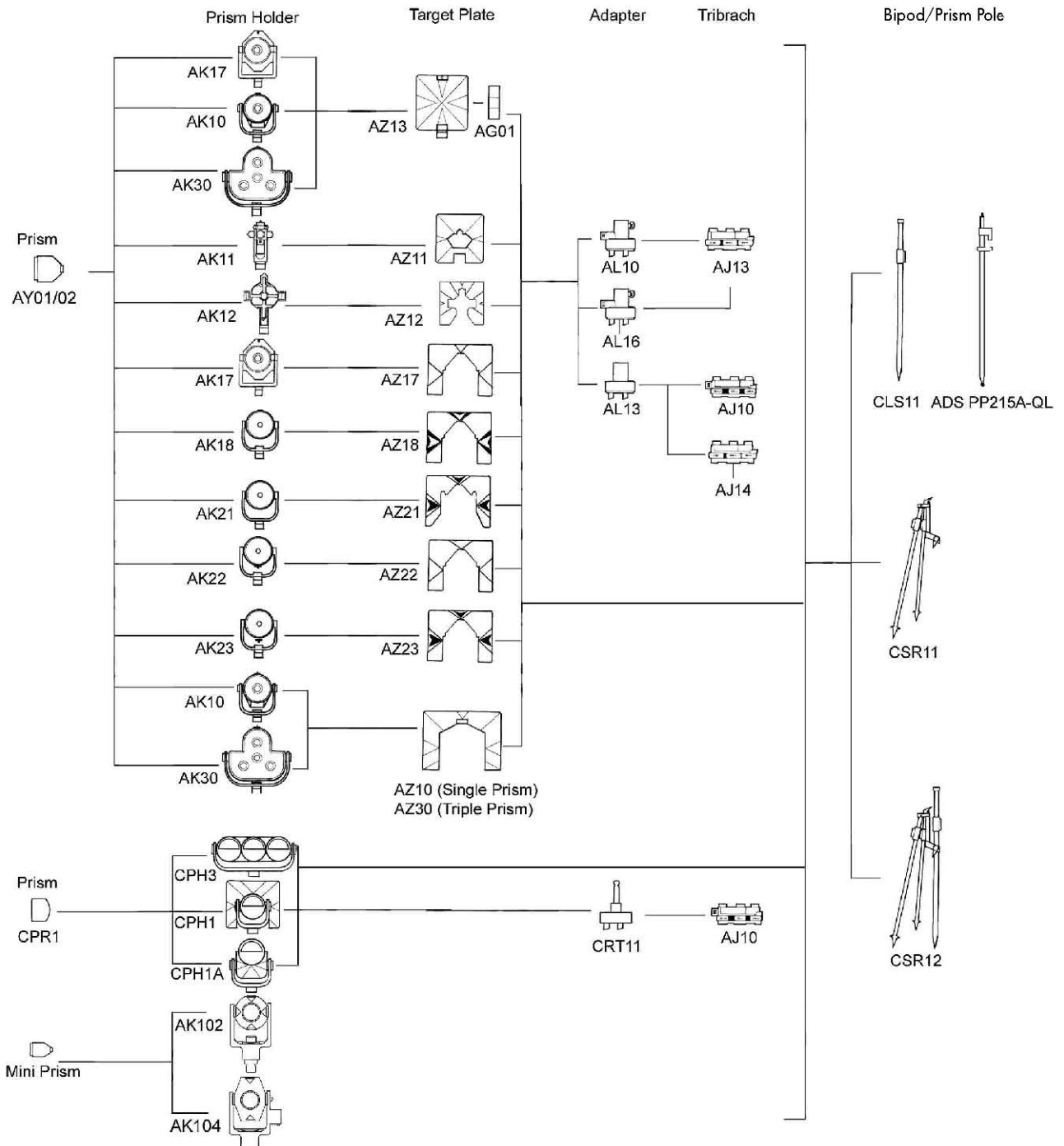


**CPH3**  
ADS PHCPH3

**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 interlinked 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.