

	H92	H93	H95
TELESCOPE			
Image	Erect		
Magnification	30X		
Effective Aperture	45mm EDM:50mm		
Resolving power	3"		
Field of view	1°30'		
Minimum focus	1.3m		
Telescope length	152mm		
ANGLE MEASUREMENT			
Encoder type	Absolute encoding		
Disc Diameter	79mm		
Minimum reading	1"/5"		
Detection method	H: Dual V: Dual		
Units of measurement	Degrees/Gons/Mil		
Accuracy	2"	3"	5"
DISTANCE MEASUREMENT			
Single Prism	3000m		
Triple Prism	5000m		
Reflector sheet	800m		
Reflectorless range	300m * (500m range optional upgrade available)		
Unit of measurement	Meters/Feet		
Accuracy	±(2 + 2x10 ⁻⁶ .d)mm with prism ±(3 + 2x10 ⁻⁶ .d)mm reflectorless		
Measuring time	Single Fine Measure: 0.7s, Tracking: 0.7s/measure		
Wavelength	685nm		
Atmospheric temperature/pressure correction	Automatic Sensing		
Atmospheric refraction and Earth curvature correction	Automatic Correction k=0.14/0.20		
Reflector constant correction	Automatic		
VIAL			
Circular vial precision	8'/2mm		
Plate vial precision	30"/2mm		
COMPENSATOR			
System	Dual Axis Photoelectric detection		
Compensating range	±4'		
Resolving power	1"		
PLUMMET			
Type	Optical or Laser		
Image	Erect		
Magnification	3X		
Focusing range	0.3m ~ ∞		
Field of view	5°		
DISPLAY			
Type	Large LCD Display, color graphics, touchscreen		
INPUT MODE			
Method	Alphanumeric keypad, touchscreen w stylus pen		
DATA TRANSFER			
Available interface	RS-232, USB, Bluetooth™		
DATA STORAGE			
Internal Memory	>10,000pts or >20,000 coordinates		
SD Card	2GB SD card included		
BATTERY			
Type	Ni-H rechargeable		
Voltage	6V DC		
Operating duration	9hrs		
OPERATING TEMPERATURE			
Range	-20°C to 50°C		
PHYSICAL DIMENSIONS			
Dimensions	160 X 150 X 340mm		
Weight	5.4kg		
Waterproofing standard	IP55		

*Using the HORIZON supplied target board, grey side (KODAK Standard A4 x 18% x gray 0.18)

"Kodak" is a trademark of Eastern Kodak Company

HORIZON®
MEASURE RIGHT

ASME IANJIE ZAOJIAO AWARD
2007 Singapore Prestige Brand
Winner, SPBA - Regional Brands



www.horizon.sg

SINGAPORE
SURVEY INSTRUMENTS
SERVICES PTE LTD
Tel: (65) 6288 4622
Fax: (65) 6288 2033
Email: info@horizon.sg

BRAZIL
MÉTRICA TECNOLOGIA
E EQUIPAMENTOS
Tel: +55 19 3432 5556
Email: contolo@metrica.com.br

CHINA
SIS SHANGHAI
Tel: +86 21 6236 0569
Fax: +86 21 6236 0614

COLOMBIA
ELBER DE J. HERNANDEZ D-
INGENIERIACIVIL & AMBIENTAL
Tel: 011 57 4215 441
Fax: 011 57 4139 964

EUROPE
HORIZON INSTRUMENTS B.V
Tel: +31 485 361 053
Fax: +31 485 361 054
Email: office@surveying.nl

INDIA
ANSARI PRECISION
INSTRUMENTS PVT LTD
Tel: +91 1332 261277
Fax: +91 1332 264277
Email: info@apiroter.com

INDONESIA
PT KESUMA
Tel: (62) 21 7591 7538
Fax: (62) 21 7591 7537

MALAYSIA
SURMAP SDN. BHD.
Tel: +603 5633 8877
Fax: +603 5880 9960

THE PHILIPPINES
BRIANNA SURVEY SOLUTIONS
Tel: 63 2925 0452
Fax: 63 2921 9037
Email: sales@briannasurvey.com

USA
HORIZON MEASUREMENTS INC.
Tel: +1 909 889 6020
Fax: +1 909 889 6080
Toll Free: 1 888 710 8282