



**STANDARD FEATURES**

- MOTOR: HR-4
- STD FORCE 16 N (X & Y)  
(CONSULT FACTORY FOR HIGHER FORCE)
- TRAVEL: 100mm (X & Y)
- SPEED: 250mm/sec (X & Y)
- ENCODER RESOLUTION: ANALOG 1 VOLT, PEAK TO PEAK  
OPTIONAL: 5um, 1um, 0.5um, 0.1um, 0.05um, 0.02um, 0.01um or 5nm USING 4096 INTERPOLATION  
(CONTROLLER DEPENDENT)
- SYSTEM REPEATABILITY: +/- 1 ENCODER COUNT  
(CONTROLLER DEPENDENT)
- HOME SENSOR: STANDARD
- BEARINGS: PRECISION CROSS ROLLER  
< 2.0um PARALLELISM
- BEARING DYNAMIC LOAD RATING: 4kN
- SYSTEM LOAD CAPACITY: APPLICATION DEPENDENT  
PLEASE CONSULT THE FACTORY
- ENCLOSURES: ALUMINUM 6061-T6  
STAINLESS STEEL OPTIONAL
- ENVIRONMENT: STANDARD, CLEAN ROOM, VACUUM  
10e-7 TORR, AND VACUUM 10e-10 TORR  
(CONSULT FACTORY)
- TEMPERATURE: 0 to 100 DEG C
- HUMIDITY: 10% to 80% NON-CONDENSING
- ASSEMBLY MASS: 2.3 kg

**ACCESSORIES**

- MOTOR AMPLIFIER

**OPTIONAL EQUIPMENT**

- MOTION CONTROLLERS

CUSTOM DESIGNS FOR OEM INTEGRATION

ALIO INDUSTRIES PROPRIETARY INFORMATION

11919 W I-70 FRONTAGE ROAD NORTH, UNIT 119, WHEAT RIDGE, CO 80033 USA  
(Tel) 303.339.7500 - SALES@ALIOINDUSTRIES.COM - WWW.ALIOINDUSTRIES.COM



DRAWN		NBROWN		2/15/2005	
CHECKED					
Tolerances:				TITLE	
x.x ± .04 in				AI-HR4-10000E-XY	
x.xx ± .02 in					
x.xxx ± .005 in					
MATERIAL		SIZE	DWG NO		REV
		B	0010-00690		003
SCALE					SHEET 1 OF 1