

## ADIS1646x Generic Data Sheet Specification Changes

### Current Data Sheet Specifications

Specification	Variant	Typ	Units
Angular Random Walk	-3	0.3	deg/rt-Hr
Misalignment Error	all	0.05	deg
Bias Repeatability	-1	0.4	deg/sec
Bias Repeatability	-2	0.4	deg/sec
Bias Repeatability	-3	0.4	deg/sec
Rate Noise Density, X	-1	3	mdeg/sec/rt-Hz
Rate Noise Density, X	-2	3	mdeg/sec/rt-Hz
Rate Noise Density, Y/Z	-2	3	mdeg/sec/rt-Hz
Rate Noise Density, X	-3	7	mdeg/sec/rt-Hz
Rate Noise Density, Y/Z	-3	7	mdeg/sec/rt-Hz
Output Noise, X	-1	70	mdeg/sec RMS
Output Noise, X	-2	80	mdeg/sec RMS
Output Noise, X	-3	170	mdeg/sec RMS
Output Noise, Y/Z	-3	170	mdeg/sec RMS

### New Data Sheet Specifications

Specification	Variant	Typ	Units
Angular Random Walk	-3	0.26	deg/rt-Hr
Misalignment Error	all	0.06	deg
Bias Repeatability	-1	0.2	deg/sec
Bias Repeatability	-2	0.2	deg/sec
Bias Repeatability	-3	0.3	deg/sec
Rate Noise Density, X	-1	2	mdeg/sec/rt-Hz
Rate Noise Density, X	-2	2	mdeg/sec/rt-Hz
Rate Noise Density, Y/Z	-2	3.2	mdeg/sec/rt-Hz
Rate Noise Density, X	-3	4	mdeg/sec/rt-Hz
Rate Noise Density, Y/Z	-3	6.5	mdeg/sec/rt-Hz
Output Noise, X	-1	50	mdeg/sec RMS
Output Noise, X	-2	50	mdeg/sec RMS
Output Noise, X	-3	110	mdeg/sec RMS
Output Noise, Y/Z	-3	160	mdeg/sec RMS

#### Legend

Improvement

Degradation

No Change