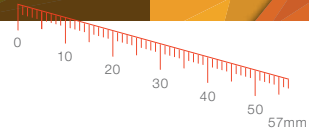




# MT 100-

MEMS IMU, VRU, AHRS, GNSS/INS



## MT 100-

- Breakthrough tracking performance
- Coning and sculling algorithms @ 2kHz
- Motion processing core for multiple sensor inputs and data sources
- High-performance XEE, beyond traditional Kalman Filtering
- Tuned for performance under vibrations and magnetic distortions
- Comprehensive SDK and straightforward system integration

## Next level MEMS AHRS

- Next level MEMS AHRS with vibration rejecting gyroscopes
- Cutting-edge sensor fusion technology
- Market leader serving a large and high-profile customer base



## Low latency AHRS

- Low latency (<2ms) for real-time applications
- Compensation against long-lasting transient accelerations
- Able to cope with GNSS outages and magnetic distortions
- Leading innovator introducing a new class of AHRS's

## Available as OEM board and IP67 encased MTi

- Available as OEM board and IP67 encased MTi
- 24-pins connector for OEM
- Extensive suite of output formats, available directly from the MTi
- Choice of several interfaces, onboard USB and GPIO's
- Xsens' industry standard open Xbus protocol or NMEA
- All products from the MTi-series are fully interchangeable

		100-IMU	200-VRU	300-AHRS	710-GNSS/INS
			Typ   Max	Typ   Max	Typ   Max
Static	yes	yes	yes	yes	
Roll/pitch	-	0.2°   0.25°	0.2°   0.25°	0.2°   0.25°	
Dynamic	-	0.3°   1.0°	0.3°   1.0°	0.3°   1.0°	
Yaw	In homogenous magnetic field	-	Active Heading Stabilization	1.0°	1.0°
Horizontal position	1 STD (SBAS)	-	-	-	1.0 m
Vertical position	1 STD (SBAS, baro)	-	-	-	2.0 m
Velocity	1 RMS	-	-	-	0.05 m/s

