



HYDAC INTERNATIONAL

Electronic Area / 電子領域

Inclinometer HIT 1500 斜度傳感器

HYDAC Electronic



Inclinometer HIT 1500

MEMS Technology

Motion compensated



CANopen

Inclinometer HIT 1500 斜度傳感器
(含有加速度規及陀螺儀感測器)

Technical data:

Input data	
Inclination	
Axes	1/ 2
Measuring range ("slope long")	±15 ° / ±60 ° / ±120 ° / ±180 °
Measuring range ("slope lateral")	±15 ° / ±60 ° / ±90 °
Resolution	0.01 °
Dynamics	30 .. 50 Hz (-3 dB)
Update rate	200 Hz
Accuracy (static RMS)	< 0.1 ° over the entire measuring range
Temperature coefficient	Active temperature control, warm-up phase depending on ambient temperature ¹⁾
Acceleration	
Axes	3
Measurement range	± 3 g in 3 axes
Resolution	0.01 m/s ²
Cutoff frequency	30 .. 50 Hz
Gyro	
Axes	3
Measurement range	± 250 °/s in 3 axes
Resolution	0.2 mrad/s
Cutoff frequency	30 .. 50 Hz

MEMS Technology

Motion compensated

Increased Functional Safety
CANopen Safety

