

مشخصات فنی شتابنگار توازن نیرویی FBA-1

FBA-1	TECHNICAL SPECIFICATION
Channels	3; can be configured for differential or single-ended input upon request
Input voltage	+/- 5 V; customizable between +/- 0.25 to +/- 10 upon request
Sampling	50, 100, 200 SPS field configurable; zero skew
Bit depth	Sigma-delta method with 24-bit at 1 Hz nominal quality; better than 22 bit for all regional and local applications
AA filter	1-pole 8.8 Hz low-pass; customizable upon request
Oscillator	10 ppm stable quartz
Operating temperature	-20 °C to +70 °C
Dynamic range	> 130 dB at 100 SPS
Sensitivity	119 nV/count nominal
Sensor	Passive and Active upon request
Timing	GPS-based; synced to better than 100 μ s
Processor	ARM9 400 MHz core; 2x ARM7 communications blocks
Device Storage	SD card; up to 32 GB
Communications	Ethernet Short message (SMS) status report over cellular network
Operating system	Customized embedded Linux
Configuration	On-device touch-sensitive LCD; rugged five-button keypad Remote web interface

