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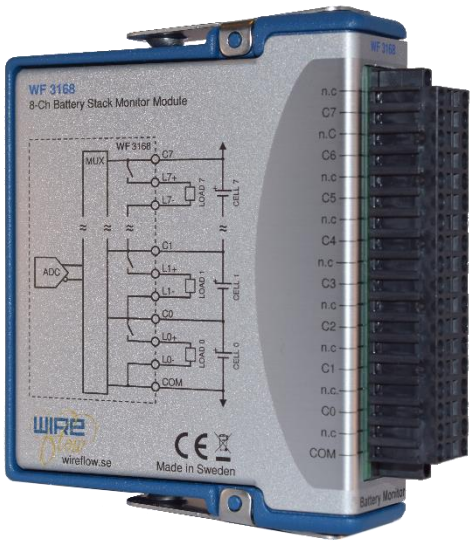
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WF 3168

C Series Battery Stack Monitor and Balancing Module

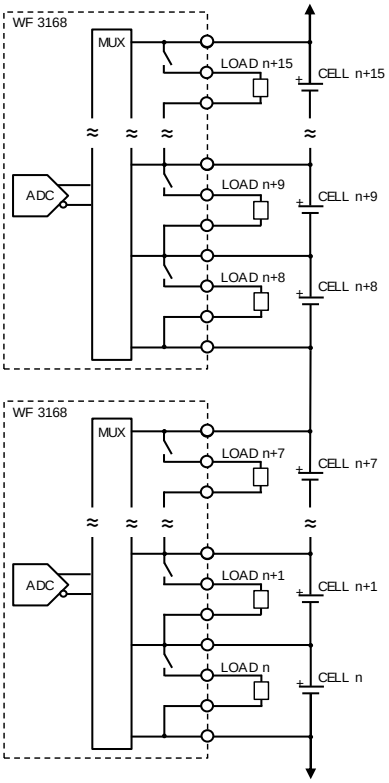
The WF 3168 from WireFlow is a complete battery monitoring and balancing device that includes a high voltage input multiplexer, ADC and balancing switches for each battery cell . The module can measure up to 8 series-connected cells with a voltage up to 15V per cell.

The module measurement circuit is galvanically isolated from the earth ground and provides up to 1000 VDC channel-to-earth ground isolation, making the module ideal for accurately monitoring large battery stacks. By using several WF 3168 modules it is possible to monitor every cell in a long string of series-connected cells



Application areas

- Battery Backup Systems
- Battery Management System
- Electric and Hybrid Electric Vehicles
- High Power Portable Equipment
- Energy Storage Packs



Features

- Measures up to 8 battery cells in series
- 8 discharge FETs for passive balancing
- Stackable architecture
- Supports multiple battery chemistries, such as 12V lead-acid and 3.7V Li-ion
- Galvanically isolated from earth ground
- 1000 VDC ch-earth isolation
- Also for negative grounding systems

Specifications

Cell Voltage Range	15 V
Resolution	0.1 mV
Accuracy, typical	± 0.6 mV @ 10 V
Max sampling rate	33 Hz
Balancing current	1.5 A/Ch
Ch-Earth Isolation	1000 VDC

WireFlow AB

Theres Svenssons gata 10
SE-417 55 Göteborg
Sweden

www.wireflow.se

WF 3168 Data Sheet
AB0005-062, rev E

Artisan Technology Group is an independent supplier of quality pre-owned equipment

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We buy equipment

Planning to upgrade your current equipment? Have surplus equipment taking up shelf space? We'll give it a new home.

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