

HM5034-WM

2-Channel Load Cell Input Module



The HM5034-WM 2 Channel Load Cell Input Module provides accurate and reliable measurements for weighing applications. Using load cell input the HM5034-WM module internally amplifies, conditions, and filters incoming signals providing stable force measurement. Integration is simple using the included AOP to enable fast and straight forward setup. The HM5034-WM is the perfect solution for your process weighing, batching, filling, blending, and thermoforming applications.

- 2 Independent Channels
- ADC Resolution of 18 Bits
- Internal amplification and signal conditioning
- Accepts Industry standard load cells
- Enhanced with an add-on profile (AOP)
- Built-In Filtering and Tear Functionality

419-893-4356

sales@helminstrument.com

361 West Dussel Drive Maumee, Ohio 43537

Rev. A (February 2025)

© 2025 Helm Instrument Company, Inc.



HM5034-WM Specifications



Channels Per Module	2 Independent Channels
Type of Input	Load Cell (350 ohm, 700 ohm)
Tare	Built-in Tare Function
Module Update Time	Software Selectable 1ms to 100ms
Calibration	Software Selectable
ADC Resolution	18 Bit
Excitation Type	Internal
Excitation voltage	10 V
Input Impedance	2 G Ω
Display Resolution	0.01%
Overall Module Accuracy	0.05%
S/A Voltage	24 V
S/A Current Draw	120 mA
Operating Temperature Range	0°C to +60°C (32°F to 140°F)
Certifications	UL/cUL Listed*, CE *

*Pending Certification Approval

