# Dual-Channel Plug-In Weighing Module for the Rockwell 1756 ControlLogix Chassis

## FEATURES

- Integrates weighing into an Allen-Bradley® PLC
- The BLH Nobel 1756-WM module is designed to directly plug into a Rockwell® 1756 ControlLogix® chassis
- Configuration and calibration through the PLC
- Dual inputs, up to eight 350 ohm load cells
- Excitation supply:
  - Single channel: Up to four 350-ohm load cells
  - Dual channel: Up to eight 350-ohm load cells
- Digital filters

Rockwell Automation
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## APPLICATIONS

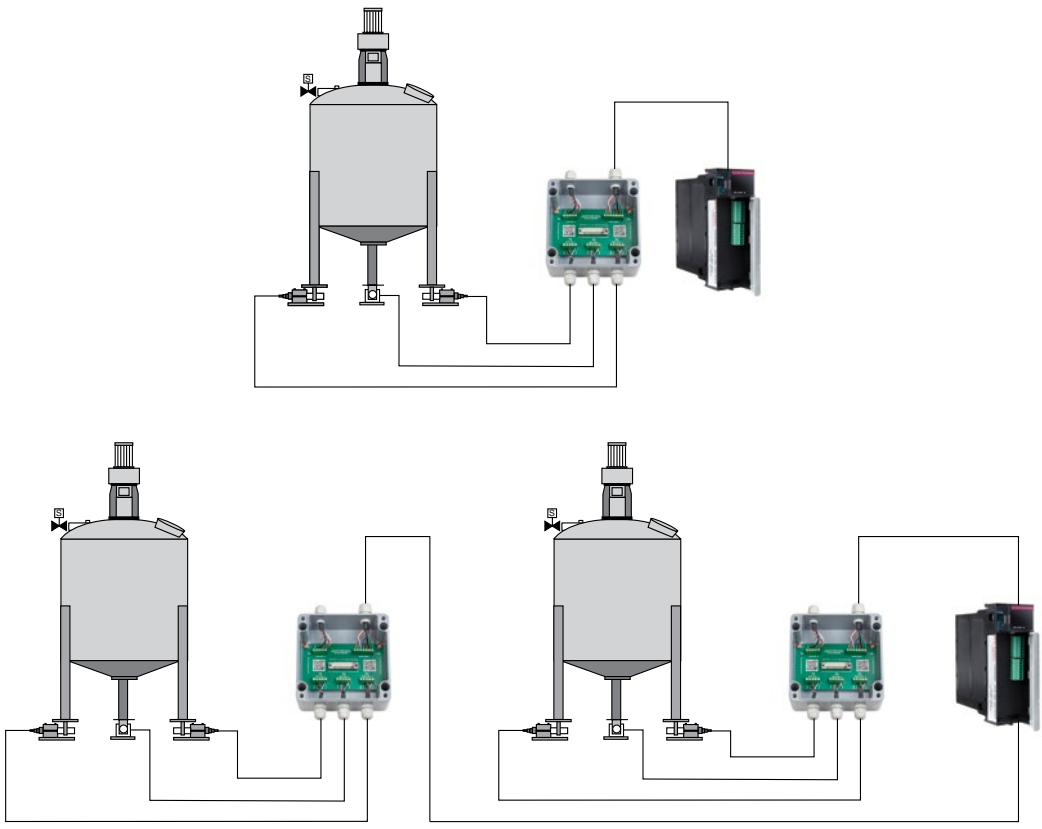
- Silo, bin, vessel and hopper weighing
- Inventory measurement and process control

## DESCRIPTION

The BLH Nobel-1756-WM module fits in a single slot in 1756 ControlLogix chassis. It's powered directly from the I/O chassis backplane and needs no additional connections besides to the load cells.

Set-up and calibration is done with the Rockwell® RSLogix 5000® Software and requires no external configuration utilities.

## TYPICAL CONFIGURATIONS



Dual-Channel Plug-In Weighing Module for the Rockwell 1756 ControlLogix Chassis

| SPECIFICATIONS | |
|---|---|
| **PARAMETER** | **VALUE** |
| **PERFORMANCE** | |
| **Full scale range** | Approx. ±5.8 mV/V |
| **Linearity** | ±0.02% of 2 mV/V |
| **Excitation voltage** | 4.3 VDC |
| **Load current** | 50 mA (4 parallel 350 ohm LC) |
| **ENVIRONMENTAL** | |
| **Operating temperature** | 0°C to +60°C (+32°F to +140°F) |
| **ENVIRONMENTAL** | |
| **Backplane power consumption** | 24V @ 85 mA, 5V @ 40 mA |
| **ENCLOSURE** | |
| **Overall dimensions** | Single slot |
| **Mounting** | 1756 ControlLogix® Chassis |
| **Input connector** | Screw connection plug |
| **CONFIGURATION** | |
| **Tools** | Rockwell® RSLogix5000® (PLC Development Software) |
| **Calibration** | Datasheet and known weight |
| **50/60 Hz filter** | Yes, selectable |
| **Low pass filter** | Yes, averaging; selectable number of samples |
| **Motion stabilization filer** | Yes, selectable sensitivity |
| **Zero band** | Yes, selectable range (zero track type function) |
| **Warranty** | One year against defects in workmanship |

BLH Nobel is continually seeking to improve product quality and performance. Specifications may change accordingly.