

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



APPLICATIONS

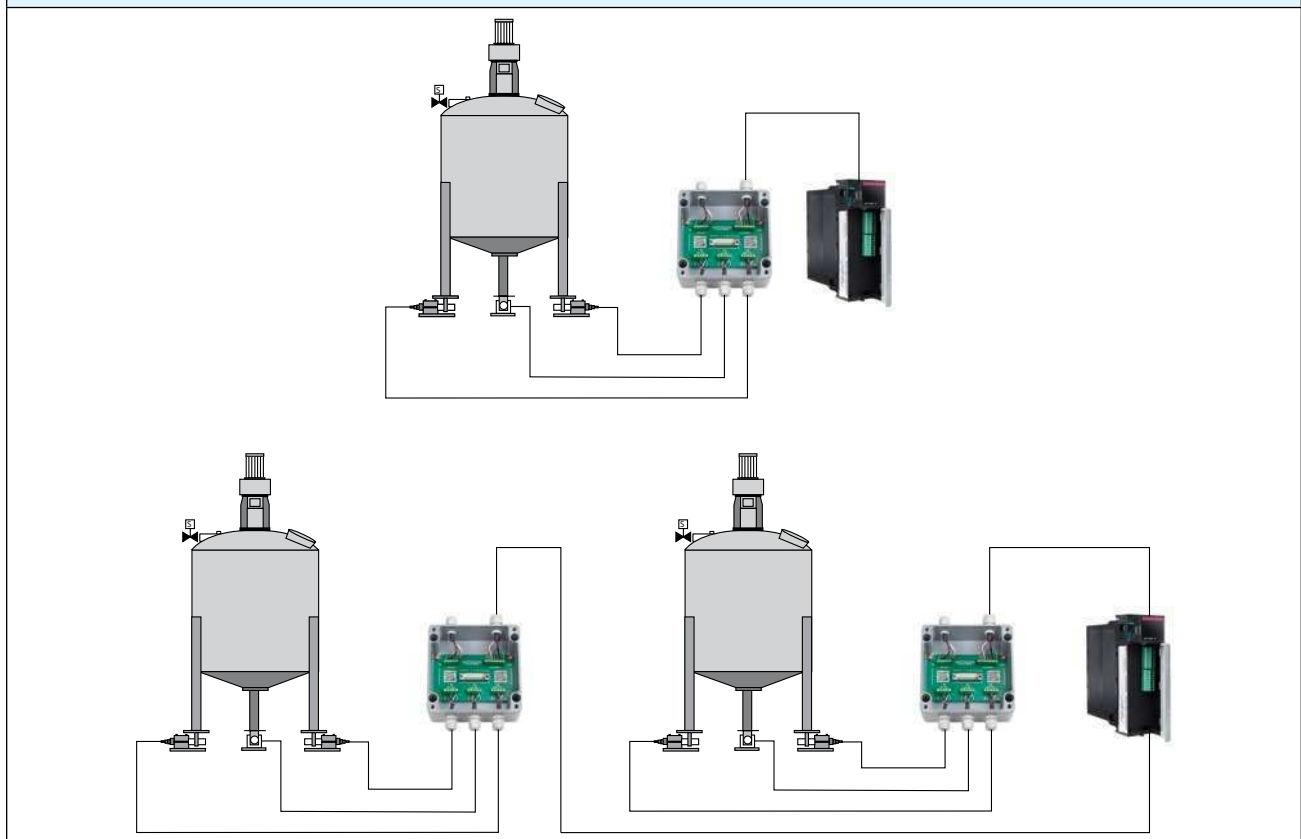
- Silo, bin, vessel and hopper weighing
- Inventory measurement and process control

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 | $\pm 0.02\%$ 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 filter | 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.

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