

Allen-Bradley 1756 Series Service Manual

1756-2WS

1. Description

Mfr. Part Number:

2. Specifications

Specification	Value
Brand	Allen-Bradley / Rockwell Automation
Series	ControlLogix
Part	Number 1756-2WS
Product	type Dual weigh scale module
Compatibility	CompactLogix
Hotswappable	Yes
Calibration	C2 Electronic / manual
Input	voltage -0.3 to 15.3 millivolts
Output	voltage 5 Volts DC to 8.75 Volts DC
Operating	temperature 32 to 140 degrees Fahrenheit
Weight	0.5 kilograms Description
The	1756-2WS weigh scale module has been designed for the Allen-Bradley ControlLogix systems. It has been designed and manufactured by Hardy Process Solutions. The typical applications for the 1756-2WS weigh scale module include batching, blending, filling, dispensing, level by weight, and weight checking applications. The 1756-2WS module is a dual scale module and it takes up one slot in the ControlLogix chassis. The module reduces installation costs and enhances speed because external Ethernet switches and routers are not required. The module collects data from load cells or sensors and transmits the collected data to the Cont

3. Product Information

Mfr. Part Number:

1756-2WS

Manufacturer: Allen-Bradley / Rockwell Automation

Description: Hardy Instruments 1756-2WS Weigh Dual Scale Module, 2-Ch, 8 Load Cells/Points

Full Description: Hardy Instruments HI1756-2WS Dual Scale Weigh Module for Allen-Bradley ControlLogix Platform, Dual-Channel, Input: 5V DC excitation to up to four (8) 350 Ohm Full Wheatstone Bridge (load cells/points), Strain Gauge Load Sensors/Cells (5 volt excitation) on one vessel; Conversion Rate: 50 updates per second; Averages: 1-255 User Selectable in single increments; Resolution: Internal: 1:8,388,608 The 1756-2WS module is a weigh scale module for Allen-Bradley ControlLogix systems. It is designed and manufactured by Hardy Process Solutions. Applications for the 1756-2WS module include batching, blending, filling, dispensing, level by weight, and weight checking applications. Technical specifications for 1756-2WS

Brand Allen-Bradley / Rockwell Automation

Series ControlLogix

Part Number 1756-2WS

Product type Dual weigh scale module

Compatibility CompactLogix

Hotswappable Yes

Calibration C2 Electronic / manual

Input voltage -0.3 to 15.3 millivolts

Output voltage 5 Volts DC to 8.75 Volts DC

Operating temperature 32 to 140 degrees Fahrenheit

Weight 0.5 kilograms Description

The 1756-2WS weigh scale module has been designed for the Allen-Bradley ControlLogix systems. It has been designed and manufactured by Hardy Process Solutions. The typical applications for the 1756-2WS weigh scale module include batching, blending, filling, dispensing, level by weight, and weight checking applications. The 1756-2WS module is a dual scale module and it takes up one slot in the ControlLogix chassis. The module reduces installation costs and enhances speed because external Ethernet switches and routers are not required. The module collects data from load cells or sensors and transmits the collected data to the ControlLogix processor over the chassis backplane. The 1756-2WS module supports C2 Electronic Calibration which enables calibration without test weights. The Wavesaver module feature eliminates plant vibration effects around the scale. The 1756-2WS scale module supports hot-swapping, also known as insertion and removal under power.

Two or three LEDs on the front panel of the 1756-2WS scale module report its functional characteristics and provide status updates. The module weighs 0.5 kilograms. The working temperature range for the 1756-2WS scale module is from 32 to 140 degrees Fahrenheit and the transportation/storage temperature range is from -40 to 185 degrees Fahrenheit. The weighing modes supported by the 1756-2WS module include the net, gross, and rate-of-change modes. The module also supports traditional calibration which uses test weights. The 1756-2WS scale module draws less than 0.0125 Amps of current at 24 Volts DC and less than 1 Amp of current from the chassis backplane at 5 Volts DC. The module can sense 5 Volts DC and it can accept input signals ranging from -0.3 to 15.3 millivolts. The module output can deliver 5 Volts DC to 8.75 Volts DC of output voltage. The 1756-2WS module is approved by the UL, CE, RoHS, and REACH standards.