Hardy 1756-WS

COMPLETE PRODUCT INFORMATION / EXACT-MODEL ENGINEERING FILE

Hardy 1756-WS is identified as a single-channel weigh scale module for the Allen-Bradley ControlLogix chassis platform. The complete marking and installed interface arrangement must be matched before replacement.

01 Product overview

Identity control	Installed boundary	Acceptance record
Match every token in the complete 1756-WS marking.	Preserve connector orientation, cable ownership and host position before removal.	Retain diagnostics and controlled functional-test evidence with the maintenance record.

The complete 1756-WS marking identifies the offered single-channel weigh scale module. Record the removed item, host position and connected hardware so the comparison uses the actual installed boundary rather than a shortened family name.

Within the Allen-Bradley ControlLogix chassis platform, evaluate 1756-WS together with its carrier, terminals, cables and applicable project or hardware settings. Preserve the as-found interface map and revision evidence; a mechanically similar item is not automatically equivalent.

Technical data

Complete order code	1756-WS
Product type	Single-Channel Weigh Scale Module
System context	Allen-Bradley ControlLogix chassis platform
Channels	1 weigh-scale channel
Conversion rate	50 updates per second
Selectable averaging	1-255 readings
Internal resolution	1:8,388,608
Sensor input	Up to eight 350 Ω full Wheatstone-bridge load sensors/cells at 5 V excitation

Related product references

- B&R 8V1022.001-2
- Fanuc A20B-3300-0281/04B
- General Electric IC695PNC001
- General Electric DS200TBCAG1AAB
- Hardy 1746-WS
- HMS AB5030-B
- ABB DO801 3BSE020510R1
- Bently Nevada 3300/47

02 Technical data and installed-system relationship

Non-linearity	0.0015% of full scale
WAVERSAVER cutoffs	7.50, 3.50, 1.00, 0.50 or 0.25 Hz
Excitation monitoring	Current deviation threshold less than ±10% expected
Common-mode rejection	110 dB at or below 60 Hz
Common-mode voltage range	2.5 VDC maximum to earth ground
Backplane input	5 VDC and 24 VDC
Backplane current	Less than 1 A at 5 VDC; 0.0125 A at 24 VDC with four 350 Ω load cells
Backplane power	Less than 5 W at 5 VDC; less than 0.3 W at 24 VDC with four 350 Ω load cells

Engineering interpretation

Complete identity	Use 1756-WS as one complete reference in the quotation, service record and acceptance file.
Installed position	Record the exact host position and functional ownership within the Allen-Bradley ControlLogix chassis platform.
Physical execution	Compare artwork, connectors, keying, terminal hardware and orientation with the removed assembly.
Configuration boundary	Preserve the applicable project, address, firmware or hardware-setting record before removal.
Acceptance evidence	Retain initial and as-left diagnostics plus the controlled functional-test result.
Unstated values	Do not assign electrical or compatibility values that are not established by the exact-model evidence.

Controller platform reference

Allen-Bradley ControlLogix chassis platform. Confirm the exact installed execution and approved maintenance record.

Related product references

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- General Electric DS200TBCAG1AAB
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03 Applications / Compatibility

System position: 1756-WS is evaluated within the documented Allen-Bradley ControlLogix chassis platform architecture. Compatibility boundary: Match the complete marking, hardware execution and installed interfaces before replacement.

Installed-system replacement
Compare the exact code, host position and connected interfaces with the removed item.

Planned maintenance
Capture the as-found label, indications and configuration before disturbing the installation.

Controlled commissioning
Restore documented connections and prove the intended signal, communication or control response.

Spare qualification
Keep revision, configuration and acceptance evidence with the spare-part record.

Product Precautions

Verify the complete identity
Check every token in 1756-WS against the offered label and approved record.

Isolate the work boundary
Follow the site procedure for stored energy, field power and electrostatic handling.

Record connections
Photograph and label carriers, terminals, cables and keying before removal.

Preserve configuration
Archive applicable Allen-Bradley ControlLogix chassis platform settings before replacement.

Inspect mating hardware
Check connectors, terminal blocks, carriers and cable condition before blaming the module.

Prove the result
Use an approved functional test and retain as-left diagnostic and acceptance evidence.

Additional verified data

C2 isolation	1000 VDC minimum from digital section
C2 cable length	1000 ft maximum; 250 ft with IT junction box and up to four sensors
Load-cell excitation	5 VDC ±1.15 W maximum
Operating temperature	0 to 60 °C
Storage temperature	-40 to 85 °C
Humidity	0-90% non-condensing
Diagnostics	WAVERSAVER, C2 calibration, excitation monitoring and Integrated Technician support

Related product references

Hardy 1746-WS

HMS AB5030-B

ABB DO801 3BSE020510R1

04 Technical FAQ

How should 1756-WS be identified before replacement?	Compare the complete 1756-WS marking, visible revision, installed position and the documented single-channel weigh scale module role. Do not approve a shortened family reference.
What evidence should be recorded before removing 1756-WS?	Photograph the complete label, connectors, cable routes, status indications and host position for 1756-WS; retain the current Allen-Bradley ControlLogix chassis platform record.
How should the interfaces for 1756-WS be checked?	Map every connector, terminal and cable used by 1756-WS to the as-found record, then verify keying, shielding and interface ownership before reconnection.
What configuration boundary matters when commissioning 1756-WS?	Use the approved Allen-Bradley ControlLogix chassis platform configuration for 1756-WS. Physical fit alone does not establish electrical, firmware or project equivalence.
How can a suspected 1756-WS fault be separated from an external fault?	Check host power, mating hardware, field wiring and the applicable signal or communication path before controlled substitution of 1756-WS.

Lifecycle Status

1756-WS status	A current lifecycle phase for this complete order code has not been confirmed.
Support and replacement	Match the complete identity, hardware execution and installed configuration when planning service.
Apter Power availability	The offered quantity and dispatch date are confirmed in the quotation.

Alternative Names

Reference variant	Hardy HI 1756-WS Weigh Module
Reference variant	Hardy 1756 WS ControlLogix Scale Module

Related product references

- Fanuc A20B-3300-0281/04B
- General Electric IC695PNC001
- General Electric DS200TBCAG1AAB
- Hardy 1746-WS
- HMS AB5030-B
- ABB DO801 3BSE020510R1
- Bently Nevada 3300/47
- B&R 8V1022.001-2

Engineering record prompts

Connector record	Photograph every used connector, cable label, keying feature and shield termination.
Host record	Identify the carrier, rack, drive, chassis or operator station that owns the installed position.

05 Ordering, downloads and enquiry workflow

What should be verified after installing 1756-WS?	Confirm normal indications, interface continuity and the intended single-channel weigh scale module response for 1756-WS in an approved test state.
Can 1756-WS be replaced by a similar-looking unit?	Appearance is not an equivalence criterion for 1756-WS; compare the complete order code, revision, connectors and installed configuration.
What handover record is appropriate after work on 1756-WS?	Retain the offered and removed 1756-WS markings, connection photographs, configuration evidence, diagnostics, functional-test results and open exceptions.

Ordering checks

Match the complete marking	Compare 1756-WS with the installed label and applicable Hardy documentation.
Check the offered item before ordering	Request photos of the offered 1756-WS and compare markings, interfaces and included items with the installed unit.

Technical notes

Evidence scope	The Hardy official manual states the exact module role, channel count, measurement, backplane, calibration and environmental values used here.
Installation boundary	The exact installed carrier, terminals, cables and project configuration remain site-specific.
Technical reference	Hardy HI 1756-WS Weigh Scale Module User Guide

What happens after you enquire

Review your reference	Send the complete 1756-WS marking, quantity and installed-system context.
Confirm the offer	Review the offered identity, condition, included items and delivery details.
Arrange dispatch	Confirm the accepted quantity and destination in the quotation.

Related product references

- General Electric DS200TBCAG1AAB
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- General Electric IC695PNC001

Engineering record prompts

Configuration record	Archive the applicable project, address, parameter, firmware or hardware-setting evidence.

Discuss the complete 1756-WS marking with Apter Power.

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Scan the WhatsApp QR to share nameplate and installed-system evidence.