GE DS200TCQBG1BCB DS215TCQBG1BZZ01A

Extended Analog and Vibration I/O Processing Board

GE DS200TCQBG1BCB DS215TCQBG1BZZ01A identifies a Mark V TCQB extended analog I/O offering for configured proximity, position and vibration functions.

Sourcing Support | 12-Month Warranty

Product summary

Manufacturer part number	DS200TCQBG1BCB DS215TCQBG1BZZ01A
Shipping	Swift global dispatch
Condition	New, original product
Shipping size (est.)	27.8cm x 21.2cm x 3.5cm
Country of Origin	USA
Manufacturer	General Electric
Product Category	Gas Turbine Control
Spare Part Number	DS200TCQBG1BCB DS215TCQBG1BZZ01A
Weight	0.66 kg

Buyer information / Overview

The first three vibration channels can change sensor interpretation only when software definitions and the physical TCQB jumpers agree.

Sensor-mode coordination
Hardware jumpers and configuration are checked as one decision.

Shaft-aware vibration analysis
Channel assignment retains its HP, IP or LP shaft relationship.

Distinct signal duties
Vibration, position and keyphasor channels use different engineering interpretation.

The combined DS200TCQBG1BCB and DS215TCQBG1BZZ01A identity is retained for the offered TCQB assembly. Its Mark V configuration separates proximity-vibration channels, position inputs and keyphasor inputs. An input with a plausible voltage is not accepted until its assigned signal duty and scale are correct.

PRX01 through PRX03 can be configured for proximity transducers or accelerometer-derived signals. Changing the software field alone is insufficient: the TCQB hardware jumpers must also match. Where accelerometers use those inputs, the proximity shaft-location assignments for the affected channels are set as not used under the documented configuration method.

For accelerometer processing, HP/IP/LP maximum-rpm scaling fields use a power of two above the highest expected scaled shaft speed. This is not the highest pulse frequency from a speed pickup, and example screen values are not universal defaults. Preserve the installed sensor mode, shaft association and approved configuration before comparing post-exchange vibration behavior.

Controller platform reference: Mark V extended analog I/O. Match the installed configuration.

Technical Specifications

Proximity-vibration configuration channels	18
Position configuration channels	10
Keyphasor configuration channels	2
Channels selectable for accelerometer use	3

Technical source: GE SPEEDTRONIC Mark V Turbine Control Application Manual GEH-6195F. Channel groups describe the documented TCQB configuration: proximity vibration, position and keyphasor roles with conditional accelerometer use on the first three channels. System/optional capacities do not establish an undocumented BCB hardware change or delivered EPROM content.
Apter Power product summary. A technical reference and field guide are available in Downloads.

Applications / Compatibility

For the documented TCQB extended analog/vibration configuration in the actual Mark V installation.

Sensor type, jumper position, shaft assignment and engineering scale must agree; common assembly markings do not prove the delivered application configuration.

Proximity vibration service
Retain the correct transducer sensitivity and shaft association for the assigned vibration channel.

Accelerometer-mode review
Coordinate the first-three-channel hardware jumpers and software device-type decision.

Position interpretation
Keep position offset and sensitivity separate from peak-to-peak vibration scaling.

Shaft-scaling acceptance
Compare actual HP/IP/LP speed interpretation with the approved accelerometer-processing setup.

Product Precautions

Apply these checks to GE DS200TCQBG1BCB DS215TCQBG1BZZ01A and its documented installation.

Keep the complete order pair
Retain BCB and the DS215 assembly marking.

Record device mode
Identify proximity or accelerometer use before removing the card.

Compare actual jumpers
Software selection alone does not prove electrical mode.

Preserve shaft assignments
Do not reuse a neighboring turbine's HP/IP/LP values.

Separate signal scales
Position offset and vibration amplitude are different engineering quantities.

Prove the changed channel
Compare diagnostics and controlled response after restoring the accepted configuration.

Lifecycle Status

A current exact factory phase is unconfirmed for DS200TCQBG1BCB DS215TCQBG1BZZ01A. Its verified installed role is TCQB extended analog/vibration processing.

Preserve the full BCB/DS215 identity and the actual sensor-mode/application record; matching connectors or a common acronym do not establish interchangeability.

The offered processing board excludes field sensors, terminal boards and external charge-amplifier assemblies unless separately itemized.

Available Unit Details

Offered reference	GE DS200TCQBG1BCB DS215TCQBG1BZZ01A
Identity check	Request both complete markings, programmable-device labels and clear jumper-position photographs.
Physical review	Inspect sensor-path components and connectors, and reconcile the observed jumper arrangement with the intended channel modes.
Included items	Confirm one identified TCQB offering; terminal and field-sensor hardware separately agreed in the quotation.

Request available-unit photos and details: sales13@apterpower.com

Technical notes

Mode boundary	The first-three-channel accelerometer option requires matching hardware and software.
Scaling boundary	Power-of-two rpm scaling uses expected scaled shaft speed, not pickup pulse frequency.
Identity boundary	The offered DS200/DS215 markings do not establish an undocumented EPROM set or revision interchange.

Alternative Names

GE DS200TCQBG1BCB DS215TCQBG1BZZ01A; DS200TCQBG1BCB DS215TCQBG1BZZ01A

Frequently Asked Questions (FAQ)

1. Why is a software device-type change alone insufficient for DS200TCQBG1BCB DS215TCQBG1BZZ01A?

The first-three-channel proximity/accelerometer choice also requires the physical TCQB jumpers to agree. Compare both before applying or interpreting the signal.

2. What happens to proximity shaft assignments when DS200TCQBG1BCB DS215TCQBG1BZZ01A uses accelerometers on the first channels?

Follow the documented not-used assignment for the affected proximity entries and retain the accelerometer configuration. Do not leave conflicting signal interpretations active.

3. Why must the shaft association be checked before adjusting vibration scaling on DS200TCQBG1BCB DS215TCQBG1BZZ01A?

The TCQB algorithm uses the selected HP, IP or LP shaft speed to determine the vibration sampling frequency; the manual describes sampling at eight times the fundamental to obtain first- and second-order components. Check the assigned shaft source before correcting a spectral symptom by changing transducer sensitivity.

4. Can speed-pickup pulse frequency be entered as the rpm scaling basis for DS200TCQBG1BCB DS215TCQBG1BZZ01A?

Those are different quantities. Use the scaled shaft-speed basis specified for the accelerometer-processing fields.

5. Why can a plausible voltage still be wrongly interpreted by DS200TCQBG1BCB DS215TCQBG1BZZ01A?

The assigned duty may be vibration, position or keyphasor, with different scales and offsets. Check channel role and configuration along with the electrical reading.

6. Should position offsets be copied into vibration scaling on DS200TCQBG1BCB DS215TCQBG1BZZ01A?

No. Position and peak-to-peak vibration use distinct configuration fields. Retain each signal’s engineering purpose and approved values.

7. How is an unused proximity input prevented from raising inappropriate diagnostics on DS200TCQBG1BCB DS215TCQBG1BZZ01A?

The TCQB configuration instructions use sensitivity 0 to disable diagnostics for an unused input. First establish that the channel is genuinely unused in the accepted configuration; do not suppress a failed active measurement by zeroing sensitivity.

8. Why must LVDT/LVDR endpoints be verified separately on DS200TCQBG1BCB DS215TCQBG1BZZ01A?

The TCQB minimum and maximum voltage entries represent 0% and 100% stroke for the applicable input. Confirm the actual calibrated endpoints and direction; the example voltages in a configuration screen are not universal field settings or proximity-probe gap limits.

Downloads

For DS200TCQBG1BCB DS215TCQBG1BZZ01A, the Apter Power technical reference summarizes verified manufacturer data. The field guide develops sensor-mode, shaft-assignment and scaling acceptance.

DS200TCQBG1BCB DS215TCQBG1BZZ01A Technical Reference	Apter Power technical reference with manufacturer-based values and exact application boundaries. PDF · 1 pages · 90.9 KB.
DS200TCQBG1BCB DS215TCQBG1BZZ01A Installation & Commissioning Guide	Sensor-Mode, Shaft-Assignment and Scaling Acceptance. Reconcile physical jumpers with channel purpose before comparing the returned vibration indication. PDF · 2 pages · 93.6 KB.

The manufacturer-based technical reference and installation decisions are provided as separate documents.

What happens after you enquire

Review your reference	Send the full marking, quantity and label photos. We review the item and any version details that need clarification.
Confirm the offer	Check the quoted reference, condition, included items and expected dispatch date before approving your order.
Arrange dispatch	Confirm delivery details and receive the tracking number when it becomes available.

Ordering checks

Include DS200TCQBG1BCB DS215TCQBG1BZZ01A and every revision or approval marking visible on the item. Keep the exact reference on your enquiry and quotation.

Request available label and interface photos. Have your maintenance team compare the offered DS200TCQBG1BCB DS215TCQBG1BZZ01A reference with the installed equipment and applicable GE documentation.

Service and support

Dispatch Planning	Confirm stock and lead time with our team.
Dedicated Manager	Personalized one-to-one VIP service
ISO 9001:2015 Certified	Trusted quality management
Warranty Policy	Review the applicable warranty coverage and claim process.
Return Notice	Check the return process and obtain approval before sending an item back.
Shipping Method	Review shipping arrangements, transit estimates and delivery responsibilities.
Parts Availability	Browse stock listings and confirm current availability with our team.
How to order	See how to submit an enquiry, review a quotation and confirm an order.

Discuss your requirement

Send the full marking, label photos, quantity and required date. Our team will review the available sourcing options with you.

WhatsApp / Phone: +86 18030235313 | sales13@apterpower.com

Related GE product references

Separate supply references; these links do not establish interchangeability.

GE DS200TBQCG1ABB
Analog Input Milliamp I/O Termination Module

GE DS200TCPSG1AME
Power Supply Board

GE DS3800NGDC1A1A
Ground Detector Module

GE DS3800NGDD1C1B
Field Ground Detector Card

GE IS400AEBMH1AJD
Alternative Energy Bridge Module

GE IS220PPROH1A
Emergency Turbine Protection I/O Pack

GE SF412024 517-0224-16A-504376 820-0297
Circuit Board Assembly

GE 46-288512G1-F
Gantry I/O Board

GE IS420YAICS1B
Functional Safety Analog Input/Output Pack

GE IS200EPSMG1ADC
Exciter Control Power Supply Module



Discuss DS200TCQBG1BCB DS215TCQBG1BZZ01A and its installed application with Apter Power.
sales13@apterpower.com | +86 18030235313