

INDUSTRIAL CARBON DIOXIDE INDICATING CONTROLLER Model: CGDIC-7

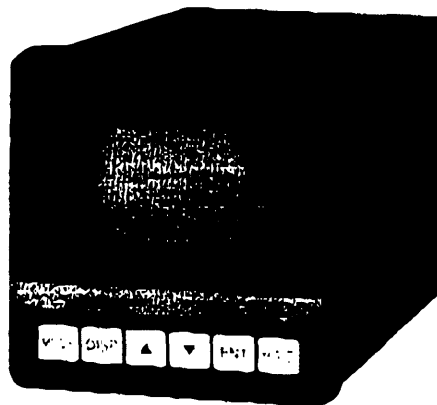
The Model CGDIC-7 is a member of the "7 series" family of industrial instruments. This microprocessor based instrument includes a wide-range of advanced features including output signals for local process control, self diagnostics and user-friendly operation.

FEATURES

- Calibration and control points can be set-up and changed from the front panel key-pad.
- User-friendly operation, menus and operation messages displayed on screen.
- Diagnostic error messages are displayed during measurement and calibration.
- Optional RS-232C interface enables PC to collect data, or enables you to monitor from remote or centralized places via existing LAN (using our interface server TCS-7143).
- Carbon dioxide and temperature are displayed simultaneously.
- Output ranges adjustable between 0 and 200.0% by key operation.
- Output value automatically held during calibration.
- Key lock function provided.
- Back light provided to display.
- DIN96 sized panel mounting.

STANDARD SPECIFICATIONS

Measuring Method	: Glass electrode method
Indicator	: 4-digits LCD with back light
Measuring Item	: Carbon dioxide and temperature measured and displayed simultaneously.
Measuring Range	: Adjustable from 0~1% to 0~200% (Full scale adjustable in 1% step), mg/L unit selectable.
Temperature	: 0 to 100.0°C
Resolution	: CO ₂ : 0.01%, Temp. 0.1°C
Repeatability	: ±5%FS
Temperature Compensation	: 0 to 50°C, automatic or manual
Calibration	: Zero and Span calibration,
Self-diagnostic Function	: Calibration error, CPU memory error, off-scaling, temperature sensor disconnected or short-circuited, abnormal EMF, faulty zero calibration.
Outputs	: 4~20mA DC (load resistance: 650Ω) 0~1V DC or 0~10mV DC selectable



Control Outputs	: Relay contacts (1a) for CO ₂ lower/low, low, upper and higher/high limits, 250V AC 1A, resistance load. Twin timer operation available for low or high limits
Error Outputs	: Calibration error, CPU memory error, over scale.
Contact Switching Input	: Output hold signal from remote relay contact. "Hold" initiated by closing the contact.
Ambient Conditions	: -10 to 50°C, 90%RH max. (no condensation)
Power Source	: 100/110/220/240V AC ±10%, 50/60Hz
Power Consumption	: Approx. 4VA
Case Material	: Plastic (Transmitter)
Finished Colour	: Munsell N1.5
Weight	: Approx. 0.7Kg
Dimensions	: 96(W) x 96(H) x 160(D) mm
Installation	: Transmitter; Panel mounted indoor use.
Standard Accessories	: Instruction manual - 1 copy Midgot fuse 1pc Mounting bracket 1 pair
Options	: RS-232C interface, CO ₂ electrode, electrode holder, connector box, extension cable (30m max.)

DKK-TOA CORPORATION



CAUTION

Do not operate products before consulting instruction manual.

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Information and specializations are for a typical system and are subject to change without notice.