

General Specifications

Model MC43 Pneumatic Indicating Controller

MC40 series

GS 02M04B01-00E

The Model MC43 Pneumatic Indicating Controller, designed for field mounting, satisfies industry's need for an economical, dependable means of automatically controlling on-line variables where no permanent record is required. Highly reliable, it measures and controls important process variables such as temperature, pressure and liquid level. A variety of measuring elements for specific process variables can be built into its housing along with the control mechanism, making the Model MC43 a low cost, compact, stand-alone instrument which can both indicate process variables and control them at desired setpoints. The controller's case is weatherproof and dustproof offering excellent durability, and the indicating pointer and the setting index are visible even from a distance. Thus the MC43 is highly suitable for mounting outdoors or in the field.

■ STANDARD SPECIFICATIONS

Measuring Range Limits:

Temperature: -25°C to 500°C (-13 to 932°F),
Gauge pressure: Full vacuum to 42 MPa (420 kgf/cm²),
Absolute pressure: 0 to 241 kPa (1800mmHg) absolute.

Measuring Elements:

Refer to page 3 and 4.

Output Signal:

With proportion: 20 to 100 kPa, 0.2 to 1.0 kgf/cm² or bar, or 3 to 15 psi, whichever specified,
On - off and differential gap: 0 kPa or air supply.

Output Gauge:

0 to 200 kPa, 0 to 2 kgf/cm² or bar, or 0 to 30 psi.

Air Supply:

140 kPa, 1.4 kgf/cm² or bar, or 20 psi, whichever specified.

Air Consumption:

0.5 m³/h at 0°C, 101.3 kPa (1.013 kgf/cm²) absolute (0.3 scfm).

Control Modes:

On-off, proportional (P), proportional plus derivative (P+D), proportional plus integral (P+I), proportional plus integral plus derivative (P+I+D), differential gap, batch plus proportional plus integral (BATCH+P+I),
Proportional band: 4 to 400%, direct or reverse,
Integral time: 0.01 to 50 minutes,
Derivative time: 0.05 to 50 minutes,
Differential gap: 2 to 100%.

Indicating and Setting Scale:

Effective nominal length: 156 mm (6 inches). Black divisions and letters on white background.



Indicator Accuracy:

Temperature T1A, T3B elements: $\pm 0.5\%$ span or $\pm 0.5^\circ\text{C}$, whichever is greater,
Pressure P31, P311, P42, 51, 52 elements: $\pm 0.5\%$ span,
Pressure P32, 72 elements: $\pm 0.75\%$ span.

Printers:

Fluorescent red.

Set Point:

Local (manual) set, standard. Remote (pneumatic) set, optional. In local set version internal set point knob is accessible by opening hinged door.

Door and Case:

Aluminum alloy, finished with polyurethane paint,
Light grayish green (Munsell 2.5GY5.0/1.0).

Degree of Protection:

IP53, NEMA 3.

Operating Temperature Range:

-30 to +60°C (-20 to +140°F).

Mounting:

Surface, flush panel and 2-inch pipe.

Connections:

In bottom of case.

Air: Tapped for JIS R1/4 or 1/4 NPT male,
Pressure and vacuum: JIS Rc1/4 or 1/4 NPT female up to 140 kgf/cm² or bar, 13.7 MPa, 2000 psi, JIS R1/2 or 1/2 NPT male up to 420 kgf/cm² or bar, 42 MPa, 6000 psi.

Approximate Weight:

7.5 kg (17 lb)
... MC43-A5C-N* A (excluding elements and bracket).

Mc43 Pneumatic Controller Manual

Roger Emil Hudrlik



Mc43 Pneumatic Controller Manual:

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(Book) ... Series: Bedford series in history and culture. Published: Boston : ... The Kitchen Debate and Cold War Consumer Politics Jan 3, 2014 — The Kitchen Debate and Cold War Consumer Politics: A Brief History with Documents (Paperback) ; ISBN: 9780312677107 ; ISBN-10: 0312677103 The Kitchen Debate and Cold War Consumer Politics The Kitchen Debate and Cold War Consumer Politics: A Brief History with Documents is written by Sarah T. Phillips; Shane Hamilton and published by ... The Kitchen Debate and Cold War Consumer Politics by SL Hamilton · 2014 · Cited by 25 — Hamilton, S. L., & Phillips, S. (2014). The Kitchen Debate and Cold War Consumer Politics: A Brief History with Documents. Bedford/St. Martin's Press. Hamilton, ... Tiddalik the Frog. 1: Tiddalik the Frog was thirsty, thirsty Song: 'Tiddalik the Frog was thirsty, thirsty'. Sing the song with Andy and Rebecca. In addition to the full vocal version and backing track versions of the ... Tiddalik the Frog This offers a karaoke-style video of the song, with the lyrics appearing on screen. Each song is approximately 2 to 3 minutes long. The song - backing track ... TIDDALIK THE FROG Tiddalik was a large frog, the largest frog ever known. SONG: No. 1. ONCE LONG ... MR WOMBAT (Spoken over the music of the verses.) Gather round my friends. I ... Froggy Fun - Music Connections Recommends... Nov 1, 2007 — A little pig makes up a new song, and can't find anyone to share it with, until he meets a frog who likes to sing and make up songs too. Infant Music at Home 17 Learn to sing a song about Tiddalik the Frog with BBC Teach. This is based on a traditional Aboriginal 'dreamtime' story from Australia. ... Tiddalik is so ... Tiddalik the frog Aria from the Notebook for Anna Magdalena by J.S. Bach Arranged for Band - MP3. Created by. Vinci eLearning. Tiddalick the Frog - Dreamtime Oct 29, 2018 — We'll share a dream and sing with one voice “I am, you are, we are Australian”. I'm a teller of stories. I'm a singer of songs. I am Albert ... Musical Childhoods: Explorations in the pre-school years