

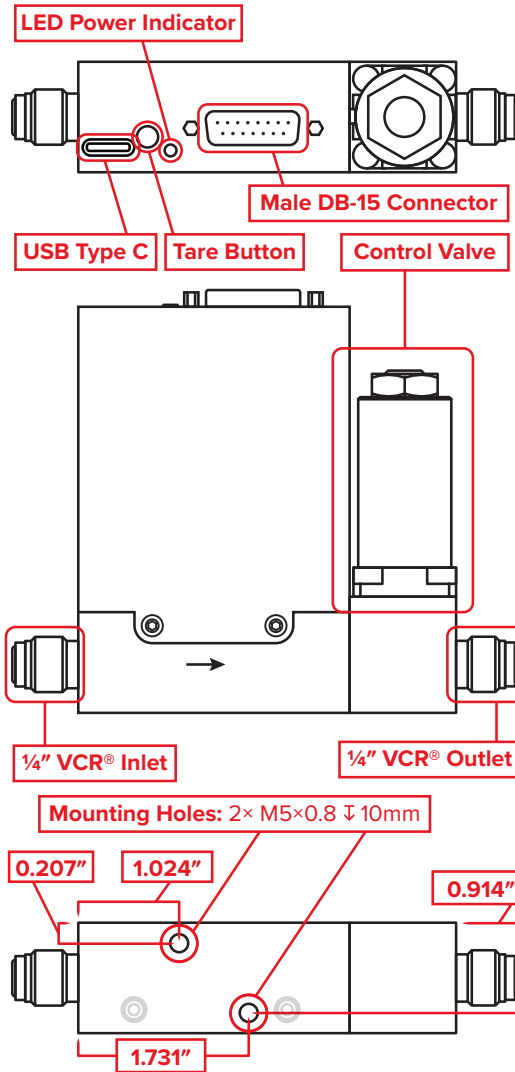
# CODA Coriolis Flow Controller

## Quick Start Guide

Model KC



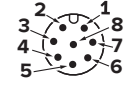
A Halma company



Male DB-15  
(device side)



Male 8-Pin M12  
(device side)



Pin	DB-15	M12
1	Analog setpoint input	0–5 Vdc output of mass flow rate <i>(Optional: 0–10 Vdc, 4–20 mA)</i>
2	Ground (analog setpoint)	Power in
3	0–5 Vdc output of mass flow rate <i>(Optional: 0–10 Vdc, 4–20 mA)</i>	RS-232 Rx or RS-485 A
4	0–5 Vdc density output <i>(Optional: 0–10 Vdc, 4–20 mA)</i>	Ground to tare
5	Ground (analog signal)	RS-232 Tx or RS-485 B
6	Not connected	Analog setpoint input
7	Not connected	Ground (power and digital)
8	Valve drive control (Vdc)	Ground (analog setpoint and signal)
9	Power in	–
10	Ground (power and digital)	–
11	Not connected	–
12	Ground to tare	–
13	Not connected	–
14	RS-232 Tx or RS-485 B	–
15	RS-232 Rx or RS-485 A	–

Download the full manual: [alicat.com/coda](http://alicat.com/coda)

Troubleshooting • Questions:

+1 520-290-6060 • [info@alicat.com](mailto:info@alicat.com) • Live web chat at [alicat.com](http://alicat.com)

# This box includes:

- CODA Coriolis mass flow controller
- NIST-traceable calibration certificate
- Optional accessories (cables, power adapters, filters)

## Get Started:

# 1



### Install

Install the device into your process. Ensure the flow path is the same direction as the flow arrow shown on your unit. The device may be oriented in any direction.

# 2



### Power

Supply power via the DB-15 connector. The controller requires 12–30 Vdc. A green LED light indicates power input.

# 3

### Signal Output

See reverse side for pinout details

**Analog:** Signal outputs are available via 0–5 Vdc (0–10 Vdc or 4–20mA options)

**Digital:** USB-C, RS-232, RS-485 and MODBUS RTU over RS-232 or RS-485.

# 4

Although the device is immediately functional, allow for 15 minutes of warm-up for best accuracy.

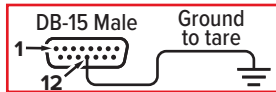
# 5

Flow the fluid to be measured through the device, then establish a no-flow condition while fluid is present throughout the unit.

# 6

### Zero (Tare)

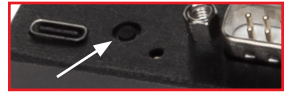
After completing step 5, tare the device with one of three methods:



**Analog:** Apply a ground to Pin 12 for at least 1 second. (See reverse side for full pinout details.)



**Digital:** For serial tare options including MODBUS and LabVIEW, consult the full manual.



**Button:** Press and hold the tare button on top of the device for 10 seconds.

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