CODA Coriolis Flow Meter
Quick Start Guide
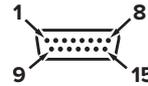
Model KM
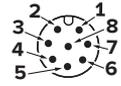
ALICAT SCIENTIFIC

A **Halma** company

LED Power Indicator

Male DB-15 Connector

USB Type C **Tare Button**

¼" VCR® Inlet   **¼" VCR® Outlet**

Mounting Holes: 2× M5×0.8 ⬇10mm

0.207"   1.024"   0.914"

1.731"
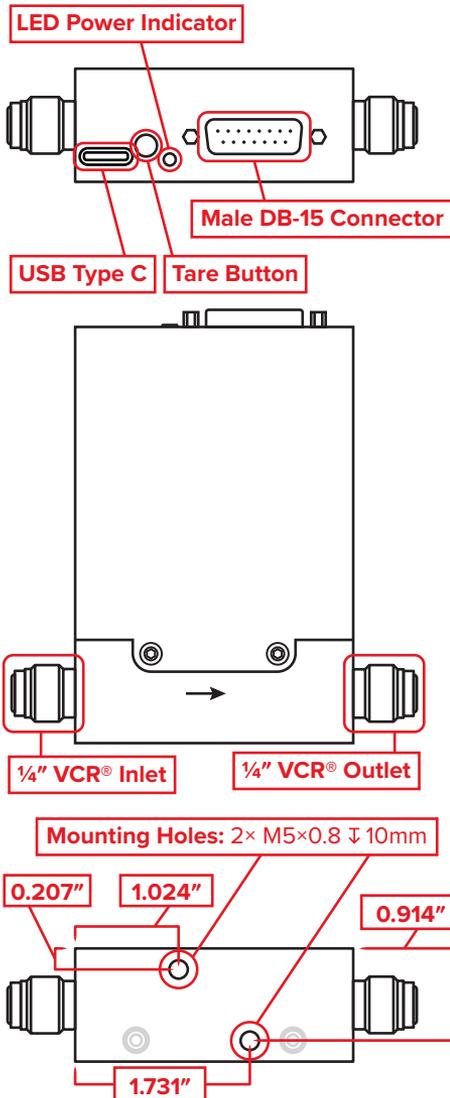
	Male DB-15 (device side)	**Male 8-Pin M12** (device side)
Pin	**DB-15**	**M12**
1	Not connected	0—5 Vdc output of mass flow rate *(Optional: 0—10 Vdc, 4—20 mA)*
2	Not connected	Power in
3	0—5 Vdc output of mass flow rate *(Optional: 0—10 Vdc, 4—20 mA)*	RS-232 Rx *or* RS-485 A
4	0—5 Vdc density output *(Optional: 0—10 Vdc, 4—20 mA)*	Ground to tare
5	Ground (analog signal)	RS-232 Tx *or* RS-485 B
6	Not connected	Not connected
7	Not connected	Ground (power and digital)
8	Not connected	Ground (analog 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

Troubleshooting • Questions:

+1 520-290-6060 • info@alicat.com • Live web chat at alicat.com

This box includes:

- **CODA Coriolis mass flow meter**
- **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 or USB-C connectors. 5–30 Vdc is required to power the meter. 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.
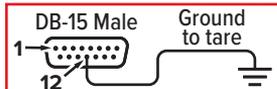
5 Flow the fluid to be measured through the device, then establish a no-flow condition while fluid is present throughout the unit.

6

Zero (Tare)
After completing step 5, tare the device with one of three methods:

DB-15 Male · Ground to tare · 1 · 12

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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