C-LOCK INC.

QUICKFLUX™

Rapid Phenotyping System

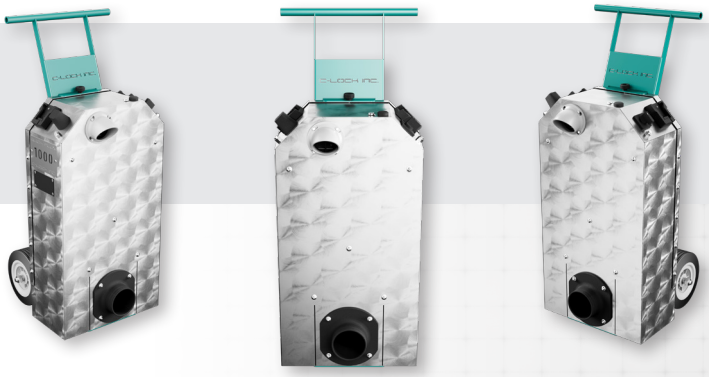


Phenotype at Scale

Rapid Individual Measurement

Rank Your Herd

Improve Herd Genetics



Find Your Most Efficient & Profitable Animals

QuickFlux measures and scores individual animals on metabolic efficiency in approximately 3 minutes, using your existing handling facilities. The Metabolic Efficiency Index (MEI) ranks animals from most to least efficient, providing measured data to support better decisions around individual animal performance, herd efficiency, and profitability.

- → Identify Top Performers
- → Rank Your Herd
- → Improve Herd Management
- → Individual Feed Efficiency

How QuickFlux Works

Scan

The RFID tag is read and the animal's record is linked.

Measure

The collector is secured and samples the animal's breath for about 3 minutes.

Confirm

The indicator signals when enough data is captured for a successful measurement.

Score

Data uploads, individual animal efficiency score is returned to the owner.



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Features

Low Maintenance

Routine maintenance is limited to occasional filter replacement.

Automatic Data Transfer

Measurements transmit securely to C-Lock over Wi-Fi or optional cellular.

Data Management/ Connectivity

All raw and processed data is accessible in a secure archive with a simple online interface. Data is transmitted wirelessly with Wi-Fi or cellular network.

Universal Battery Compatability

Designed for use with widely available batteries, making local sourcing simple and reducing shipping costs and logistics.



System Sequence Indicator

An onboard indicator shows where the system is in the measurement sequence and signals when enough data has been captured.

Simple Efficiency Measurement

Measures the carbon dioxide in each animal's breath and uses it to estimate dry matter intake. No feed bunk or intake system required.

RFID Animal Identification

Each animal's tag is scanned before measurement, automatically linking every dataset to an individual animal record.

Product Specs

Weight: 66 lbs
Dimensions: (W) 16.7 in (H) 40.2 in (D) 18.4 in

Product Options

Oxygen (O_2) Sensor

Adds oxygen measurement alongside standard methane and carbon dioxide, supporting expanded metabolic and energy-balance research.

Cellular Modem

Enables automatic data transmission at sites without reliable Wi-Fi coverage, keeping measurements flowing from remote barns, pastures, and research stations.

