



## AROMETRIX PRODUCT SPECIFICATIONS

# AROMETRIX FRACTION FINDER

## SYSTEM

**Creator:** Arometrix, Inc.

**Application(s):** Botanical distillation (short path, wiped film, thin film, etc.)

**State of Materials:** Distillates

**Expected Life Span:** 10+ years

**Shipping Weight:** 5 lbs

**Shipping Dimensions:** 10"x10"x8"

## SENSOR

**Type:** Standard

**Technology:** In-situ fluorescence spectroscopy

**Wavelength of excitation:** 365 nm

**Sensor Size(s):** Size 29; Size 34

**Interface Requirements:**

- Size 29 glass (28-30mm outer diameter)
- Size 34 Glass (31-34mm outer diameter)
- Or install on Arometrix [adapters](#)

**Cable Length:** 2' standard (available up to 30')

**Max Temp:** 100C

**Min Temp:** 5C

**Optical Detection Range:** 300 – 1000 nanometers

**Lower Detection Limit:** Less than 1 mg/mL

**Accuracy:** Spectral resolution is 15 nm max

**Margin for Error:** Not applicable to qualitative measurements

**Scans per second:** 3

**Flow Rate Limits:** No flow rate limit

**Min Fill Level:** 1/8 volume

**DISPLAY** - *Same across all models, comes in green*

**Certification:** ROHS, CE

**Display Size (inch.):** 10.1"

**Weight:** 620 g

**Dimensions:** 250.54 × 178.54 × 26.9 mm

**Touch Screen:** 10-Point Capacitive

**Base Stand:** Yes

**Resolution:** 1280\*800

**Brightness (cd/m<sup>2</sup>):** 350

**USB:** 2x USB 2.0 HOST, 1x miniUSB OTG

**RS485:** 1 Channel

**RS232:** 2 Channels

**Power Input:** 9V~36V DC

**Power Consumption:** 6W

**Current @ 12V:** 500 mA max

**Working Temperature:** 0°C~50°C

# AROMETRIX FRACTION FINDER *ULTRA*

## SYSTEM

**Creator:** Arometrix, Inc.

**Application(s):** Botanical chromatography; botanical distillation

**State of Materials:** Isolates, Distillates

**Expected Life Span:** 10+ years

**Shipping Weight:** 5 lbs

**Shipping Dimensions:** 10"x10"x8"

## SENSOR

**Type:** "Ultra-sensitive"

**Technology:** In-situ fluorescence spectroscopy

**Wavelength of excitation:** 365 nm

**Size(s):** Size 34 only

**Interface Requirements:**

- Size 34 Glass (31-34mm outer diameter)
- Or install on Arometrix [adapters](#)

**Cable Length:** 2' standard (up to 30')

**Max Temp:** 100C

**Min Temp:** 5C

**Optical Detection Range:** 300 – 1000 nanometers

**Lower Detection Limit:** Less than 0.1 mg/mL (over 10X more sensitivity) than the *Fraction Finder* sensor

**Accuracy:** Spectral resolution is 15 nm max

**Margin for Error:** Not applicable to qualitative measurements

**Scans per second:** 3

**Flow Rate Limits:** No flow rate limit

**Min Fill Level:** 1/8 volume

**DISPLAY** - *Same across all models, comes in green*

**Certification:** ROHS, CE

**Display Size (inch.):** 10.1"

**Weight:** 620 g

**Dimensions:** 250.54 × 178.54 × 26.9 mm

**Touch Screen:** 10-Point Capacitive

**Base Stand:** Yes

**Resolution:** 1280\*800

**Brightness (cd/m<sup>2</sup>):** 350

**USB:** 2x USB 2.0 HOST, 1x miniUSB OTG

**RS485:** 1 Channel

**RS232:** 2 Channels

**Power Input:** 9V~36V DC

**Power Consumption:** 6W

**Current @ 12V:** 500 mA max

**Working Temperature:** 0°C~50°C

# AROMETRIX EXTRACTION FINDER

## SYSTEM

**Applications:** Botanical extraction & refinement processes (C1D1-compliant)

**Relevant Molecular Indicators:** Acidified Cannabinoids; Chlorophyll; Lipids

**Technology:** Fluorescence spectroscopy

**Display:** 7" LCD TFT touch-screen; compute module housed in a pole-mounted ABS case

**Power:** UL-marked power supply with 10' extension cable for use outside of C1D1 area

**Sensor:** UV light source and full wavelength spectrometer

**Wavelength of Excitation:** 365 nm

**Optical Detection Range:** 300 – 1000 nm

**Lower Detection Limit:** < 0.1 mg/mL

**Spectral Resolution:** 15 nm max

**Flow Rate Limit:** No flow rate limit

## SENSOR AND FLOW CELL

**Sanitary Flange End Clamps:** 1.5"

**Operating Pressure:** VAC to 350 psig

**Temperature:** -100°F (min); 100°F (max)

**Mounting Plate:** Available as an add-on

**Product Dimensions:** 5.29in (W) x 6.63in (H)

**Lower Detection Limit:** Less than 0.1 mg/mL

**Flow Rate Limits:** No flow rate limit

**Min Fill Level:** 1/8 volume

**Wetted materials:** 316SS, Teflon/PTFE gaskets, Sapphire

**Materials exposed to C1D1 area:** Delrin housing, 316 SS, Teflon, Viton, Signal wire jacket

**Stainless tube inner diameter:** 0.5"

**DISPLAY** - *Same across all models; comes in black*

**Certification:** ROHS, CE

**Display Size (inch.):** 10.1"

**Weight:** 620 g

**Dimensions:** 250.54 × 178.54 × 26.9 mm

**Touch Screen:** 10-Point Capacitive

**Base Stand:** Yes

**Resolution:** 1280\*800

**Brightness (cd/m<sup>2</sup>):** 350

**USB:** 2x USB 2.0 HOST, 1x miniUSB OTG

**RS485:** 1 Channel

**RS232:** 2 Channels

**Power Input:** 9V~36V DC

**Power Consumption:** 6W

**Current @ 12V:** 500 mA max

**Working Temperature:** 0°C~50°C