



TEXTILE CONDITIONING UNIT

EXTREMELY FAST CONDITIONING TIMES WITH PRECISE CONTROL

Parameter's textile conditioning unit will bring samples to equilibrium within 1 to 3 minutes. The unit is specifically designed to rapidly bring textile samples to the standard condition of 21°C and 65% RH.

Parameter's humidity generating systems are unique. By utilizing the "two temperature" method of control, Parameter is able to create an unrivaled stable environment (see chart on reverse.)

Three parameters must be considered to meet key specifications: control constancy, chamber uniformity and sensor accuracy. Many companies control to $\pm 2\%$, however, they neglect sensor accuracy and chamber uniformity. Parameter takes into consideration all three variables, making the specified tolerance of $\pm 1^\circ\text{C}$ and $\pm 2\%$ RH truly attainable.

The system is constructed with durable, corrosion resistant stainless steel. Low watt density heaters and multiple safety cutoffs are included. The unit is available with two 24" D65 fluorescent bulbs mounted externally on top of the unit, allowing them to shine through a lens on to the sample drawers.

A highly precise, digital hygrometer (temperature compensated) provides state-of-the-art accuracy while a user-friendly SmartPad provides optimum control. Our controller also features 60-segment programming, high/low (or deviation) alarms, and a serial communications port.

RH VARIABLES	OURS	THEIRS
TOTAL	$\pm 2.5\%$	$\pm 6.0\%$
CONTROL CONSTANCY	$\pm 0.5\%$	$\pm 2.0\%$
CHAMBER UNIFORMITY	$\pm 1.0\%$	$\pm 2.0\%$
SENSOR ACCURACY	$\pm 1.0\%$	$\pm 2.0\%$

Extremely Precise Control
Low Energy Requirements
Low Maintenance

Specifications

7024-3130 SERIES (Domestic) 7024-5130 SERIES (International)

Relative Humidity Control: $\pm 0.5\%$
Relative Humidity Uniformity: $\pm 0.5\%$ at 25°/60%
Relative Humidity Accuracy: $\pm 1.0\%$
Relative Humidity Range: 35 to 80%

Temperature Control: $\pm 1^\circ\text{C}$
Temperature Uniformity: $\pm 0.2^\circ\text{C}$ at 25°/60%
Temperature Accuracy: $\pm 0.2^\circ\text{C}$
Temperature Range: 15 to 30°C

UTILITIES

Domestic: 208/230V, 1-Phase, 60Hz, 6.8 FLA, 4.3 RLA

International: 230V, 1-Phase, 50 Hz, 6.8 FLA, 4.2 RLA

Note: optional light requires separate plug.

Water: 1 gallon per day maximum (can be manually refilled without hard piping)

Drain: can utilize an external condensate pan.

WEIGHT

300 lbs.

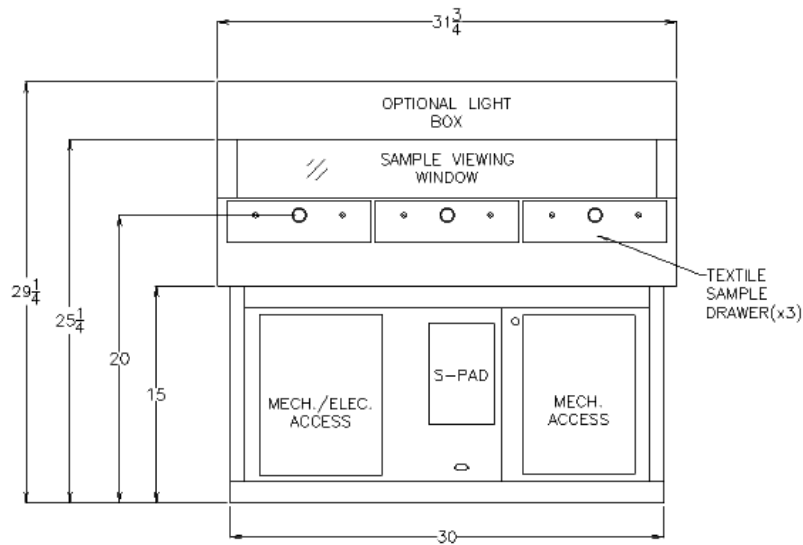
SHIPPING WEIGHT

350 lbs. (domestic)

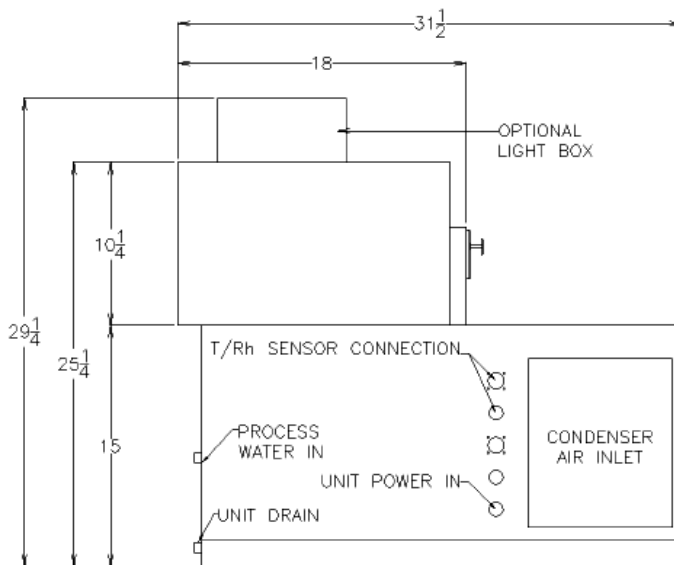
400 lbs. (international)



PARAMETER
GENERATION & CONTROL



Side View



Front View

Benefits

- Quick on-line color decisions
- Attains specification (even when considering control, uniformity and accuracy)
- Durable
- Easy to use

Features

- 1 to 3 minute conditioning times
- Precise control
- Stainless steel construction
- Sample timer

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