

# IR-35

## Moisture Analyzer

Fast, accurate  
and affordable  
moisture  
determination



# AINSWORTH

Established 1880

1401 17th Street, Suite 750 • Denver, Colorado 80202  
303-431-7255 • 1-800-321-1135 • Fax 303-423-4831

# IR-35 Moisture Analyzer

Fast, accurate and  
affordable moisture  
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## Easy to operate!

Plant floor operation is quick and easy to learn. The simple control panel allows for error-free operation.

## Durable and compact!

This instrument is designed to withstand the rigors of everyday production use. Its compact size allows it to go anywhere.

## Fast and reliable!

The combination of an internal balance and an infrared dryer provides reproducible results in 5 to 15 minutes on average. Percent moisture and percent solids are calculated to 0.01% resolution.

## Results are easy to obtain!

At the touch of a button the weight of the sample dish is eliminated. Add the sample and lower the hood for the test to begin automatically. Results are shown clearly on the screen along with test parameters. Add an optional printer for hard copy documentation.

## Simple endpoint determination!

For most samples, choose the automatic shutoff setting. Over the length of the test, the instrument detects the moisture loss of the sample. As the change in weight approaches zero the analyzer shuts itself off. The timer mode can be activated for samples that do not lose a significant amount of moisture over time.



## Accessories:

### Glass Sample Pads 900298.1

Disposable 4" diameter glass pads  
(200/pkg.)

### Disposable Pans 900274.1

Disposable 4" diameter aluminum pans  
(50/pkg.)

### Dot Matrix Printer & Cable 902574.1

### Printer Paper 901045.1

(1 roll/pkg.)

### Printer Ribbon 901044.1

(1 roll/pkg.)

### Serial Cable 102043.1

RS232 to 9-pin

## Specifications

|                                 |  |
|---------------------------------|--|
| Working Range                   | 0.1 - 99.9%                                      |
| Measurement Method              | Infrared radiation, loss on drying               |
| Heat Source                     | Dark radiator quartz                             |
| Temperature Setting             | 40° - 160°C in one degree increments             |
| Temperature Control             | Temperature sensor, +/- 5°C                      |
| Temperature Steps               | One  |
| End of Analysis Mode            | Automatic slope or time-out (99 min max)         |
| Units of Results                | % moisture, % solid, % moisture dry, weight loss |
| Readability of Results          | 0.01%  |
| Balance Capability              | 35 grams   |
| Balance Readability             | 0.001g   |
| Program Storage                 | Current program                                  |
| Data Storage                    | Current result                                   |
| Display                         | Liquid crystal display                           |
| External I/O                    | Serial unidirectional RS-232C                    |
| Power Requirements              | 115 VAC, 50/60Hz (other voltages available)      |
| External Dimensions (L x W x H) | 14.4 x 8.8 x 7.5" (366 x 224 x 191 mm)           |
| Net Weight                      | 12.8 lbs (5.8 kg)                                |

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