

- Simple, Fast and Accurate
- Proven Technology
- Choice of Resolutions
- Windows® Interface Software
- Data stored directly to a computer



### Precise, Rapid Measurements of Large or Small Leaves

The LI-3100C Area Meter is designed for efficient, exacting measurements of both large and small objects. User-selectable area resolution of either 1 mm<sup>2</sup> or 0.1 mm<sup>2</sup> is available without having to change optics. This versatility provides the flexibility necessary for diverse project requirements.

- Area, Length, Maximum Width, Average Width
- A single lens provides adjustable resolution of 0.1 or 1 mm<sup>2</sup>
- High accuracy and repeatability, and fast, continuous operation for large quantities of samples with individual or cumulative area recorded
- Large (25 cm wide, 2.5 cm thick with 1 mm<sup>2</sup> resolution) or small (<1 cm<sup>2</sup> area when using 0.1 mm<sup>2</sup> resolution) leaves or other objects, including needles
- Quiet belt system with adjustable press roller to flatten curled leaves
- Data are shown on the instrument LED display or on the computer screen using Windows® software to collect and store data via RS-232 or USB

### Specification

Model	LI-3100C
Resolution	1 mm <sup>2</sup> or 0.1 mm <sup>2</sup> (adjustable)
Scanning Area	1 mm <sup>2</sup> Resolution: 1 mm x 1 mm; 0.1 mm <sup>2</sup> Resolution: 0.300 mm W x 0.333
Display Capacity	1 mm <sup>2</sup> Resolution: 999,999.99 Cm <sup>2</sup> ; 0.1 mm <sup>2</sup> Resolution: 99,999.999 cm <sup>2</sup>
Display	Full 8-digit LED
Width	25.4 cm max: 1.5 to 3.0 mm min
Thickness	Up to 2 cm max, user-expendable to 2.5 cm
Length	Unlimited
Conveyor Belt Speed	8.0 cm/s at 60 Hz; 6.7 cm/s at 50 Hz
Light Source	15 W fluorescent tube
Transparent Belts	Rugged clear vinyl
Power requirements	108-126/216-252 VAC, 48 to 66 Hz, 100 W max
Operating Temperature	+15 to + 55 °C
Storage Temperature	-20 to +65°C
Size	25.0 H x 60.0 W x 73.0 L cm (9.8" x 23.6" x 28.7")
Weight	43 kg (95 lb)

### Accuracy

Resolution	Sample Area			
	10 cm <sup>2</sup>	3 cm <sup>2</sup>	1 cm <sup>2</sup>	0.3 cm <sup>2</sup>
1 mm <sup>2</sup>	± 2.0%	± 3.0%	± 6.0%	± 10.0%
0.1 mm <sup>2</sup>	± 1.0%	± 1.5%	± 3.0%	± 5.0%