

16 22 32
LRCG

LayerGauge[®]

Devices for Measuring of Individual Layer Thickness of Multilayer Polymer Webs



Davinor **LayerGauge**[®]

Savings through Knowledge

Davinor LayerGauge gives you the possibility to prevent over-gauging.

It produces you accurate results, excellent reports and advanced result sharing – fast.

Davinor **LayerGauge** is the most sophisticated and unique device ever designed for fast measuring of individual layer thickness in a multilayer polymer web.

Since its introduction in 1984 the Davinor **LayerGauge** has taken the lead in multilayer thickness measurement. It is widely used by leading film manufacturers worldwide.

Quick

Measuring the individual layer thicknesses of multilayered films by Davinor **LayerGauge** takes typically a couple of seconds.

Save materials, laboratory work and money

Based on the accurate measuring data of films processed, it is possible to optimize the operation of production lines.

This prevents unnecessary wastage of materials, machine time and work. Regular measurement of film manufacturing process opens you the possibility to save considerable amounts of money.

Specially designed models available.

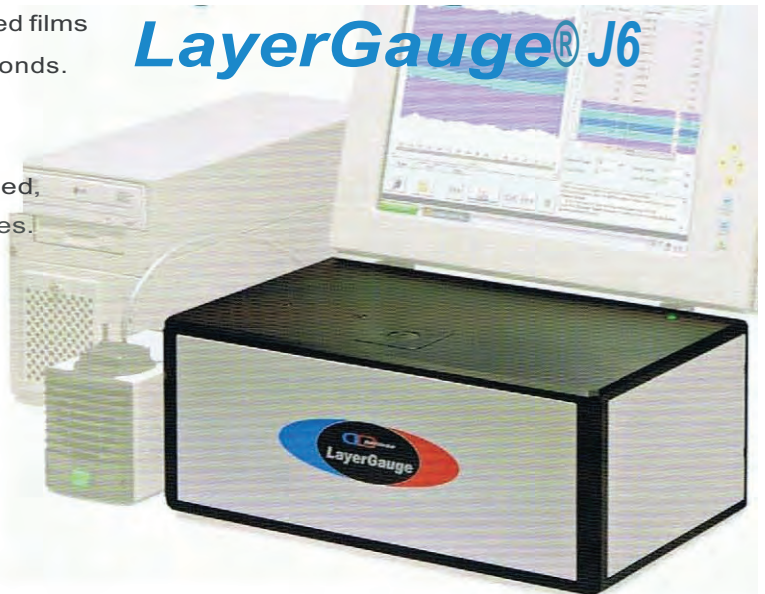
For more info visit at www.davinor.com.

Safe and easy

The Davinor **LayerGauge** is simple, cost-effective and safe to operate. No special skills or safety precautions are needed. Only ordinary light is used in measuring.

LayerGauge always gives user independent results. Types and are fully programmable devices and the sample movement during the measurement procedure is automatic. Type has also programmable sample tension feature. In type '6'-the sample movement is manual. Traceable reports required by quality systems are automatically created in connection with measuring.

LayerGauge[®] J6



LayerGauge[®] 22



LayerGauge[®] J2



Autom. 8 layers

Sample No.: 8 layer film
 Operator: JPA
 Date / Time: 04.10.2007 / 15.09

Comment: Measured automatically.

Davinor LayerGauge
 Profile Report

Gauge length: 50.0 (cm)
 Location Spacing: 1.0 (mm)
 Locations measured: Success rate

Autom. 8 layers

Sample No.: 8 Layer film
 Operator: JPR
 Date / Time: 04.10.2007 / 15.09

Comment: Measured automatically.

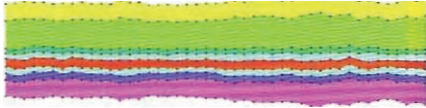
Autom. 8 layers

Sample No.: 8 layer film
 Operator: JPR
 Date / Time: 04.10.2007 / 15.09

Comment: Measured automatically.

Oavinor LayerGauge*
 Tolerance Report

Gauge Length: 50.0 (cm)
 Location Spacing: 1.0 (cm)
 Locations measured: 51 / 51
 Success rate: 100 %



+

0



Layer Name; Nominal

T- 190 159 000 000

Layer Name	Nominal	Av	Hn	Loc ISO	Hu	Loc ID
7	25.0	23.1	20.1	32.0	26.8	17.0
	0.0	3.9	2.8	21.0	5.2	10.0
	8.0	5.2	1.7		7.9	12.0
		6.3				
T-1	6.0		11.0	10.0	7.6	49.0
	0.0			0.0	5.9	10.0
Layer-2			32			
Uyff 1	4.0	5.0	3.8	19.0	6.0	20.0
	ISO	14	11.8	19.0	20.8	14.0

Tolerance report, One layer

Profile report

Tolerance report, All layers

GENERAL DESCRIPTION OF LayerGauge

- Thickness gauge for multilayer materials. Optical measurement method, safe to use. Fully automatic systems for high volume Quality Control measurement and process monitoring use.

HARDWARE

- Sample Handling from manual to fully automatic.
- Programmable number of measuring points and distance between points. Up to 5 cm (2 inch) wide sample with no limit in length. Movement guided by software controlled brake in type 1.
- Type 16, manual sample relocation.
 - Vacuum sample holding (Optional).

Thickness Range

- Maximum sample thickness 650 μm (25 mil) with automatic movement.

- Type 16, maximum total thickness 380 μm (15 mil).

Size & Weight

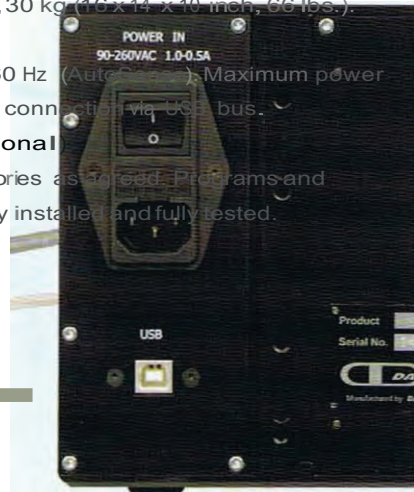
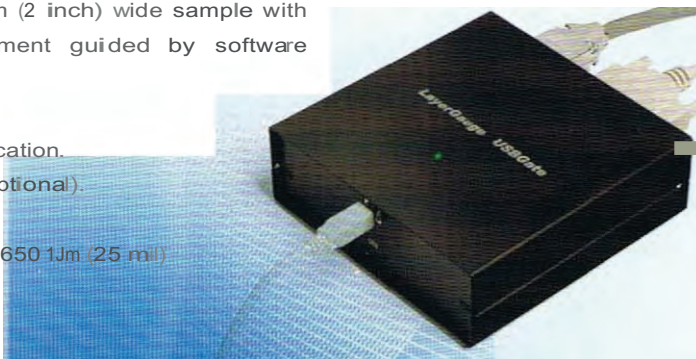
- 41(w) x 35(d) x 25(h) cm, 30 kg (16 x 14 x 10 inch, 66 lbs.)

Connections

- Power 90...260 Vac, 50/60 Hz (Auto Sense). Maximum power consumption 150 VA. PC connection via USB bus.

Computer Package (Optional)

- Standard PC and accessories as agreed. Programs and instrument settings ready installed and fully tested.



General Description

- M-Fiex32 GUI software for PC computers using Windows 2000/XP operating system.

Layer Detection

- Unlimited number of layers. Wide range of signal analysis and peak search functions for fully automated measuring.
LayerGauge 16 models max. number of layers is 16.

Reporting

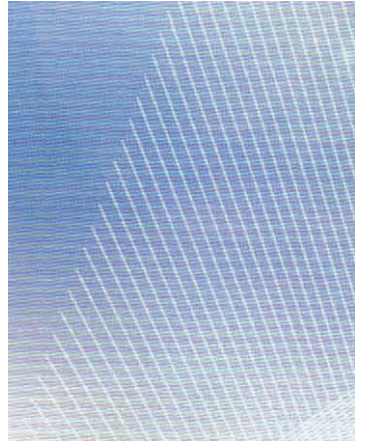
- Thickness Profile Graph, Tolerance Graph and Numerical Data Report. Custom reports available.

Calibration

- Software-driven calibration procedure.

TURNKEY

- A Turnkey Package available, including all hardware and software, shipping, installation and on-site user training services.
- External *USB Gate* available for all previous LayerGauge models.



Ordering Information



BRO DAVINOR-0122C

Represented by:
Plastics Touchpoint Group, Inc.
152 Rimmington Drive
Thornhill, Ontario, Canada, L4J 6K1
Tel: 416-788-9742
Email: info@plasticstouchpoint.com
Website: www.plasticstouchpoint.com