

LMI6000 SERIES

MELT FLOW INDEXER WITH AUTO-LIFT

- Integration of electromechanical auto-lift for automatic weight handling.
- Software Automation allows LMI to run tests unattended after the sample material is loaded.
- Adjustable Side Mounted Touchscreen Display (Left-Mounted or Right-Mounted Display Options Available)
- Updated Hardware Architecture for a faster and smoother performance.
- Dedicated Front-Facing Power Switch to ensure all data is saved before shutdown.



IMPROVED PERFORMANCE

The LMI6000 marks a new generation in convenience, accessibility, and performance. A new electromechanical lift mechanism automates the placement of weights while removing the need for a dedicated filtered air supply, instead running on 110V power alone. Additionally, a larger adjustable and repositionable touchscreen interface, upgraded hardware architecture, and software automation for running tests with a single press of a button, the LMI6000 is as convenient as ever.

ADVANCED SOFTWARE

Tests can now be run while unattended and without manually lifting weights with the assistance of the electromechanical lift feature, allowing for simultaneous test runs between multiple machines. The addition of the lift increases operator safety through mitigating the amount of repetitive weightlifting. While also improving test accuracy through the automated loading and unloading of weights.

INCREASED ACCESSIBILITY

Additionally, a new hardware architecture allows for a faster and smoother navigation experience. The dedicated power switch ensures that the LMI is shut down safely, saving all data before cutting the power. Lastly, the larger side mounted display allows for a better user experience with its ambidextrous screen mounting, vertical adjustability to conform to operator height and reduced risk of damage from falling weights.

FEATURES

- Gravitational correction
- Windows 10 IoT touch screen native interface
- Performance meets international standards: ASTM D1238 & D3364, ISO 1133-1, BS2782, DIN 53735, JIS K7210
- Built in WIFI and ethernet
- Increased access to die for sample cutting with a strategically placed mirror to easily view the die and cutting area
- Automatic sample cutter for ease and consistency in sample cutting.
- Direct digital scale USB interface for sample weighing
- Melt Flow Rate to intrinsic Viscosity correlation for PET
- Nearly unlimited program storage capability
- Supports multiple languages
- Printing & Flash Storage Available

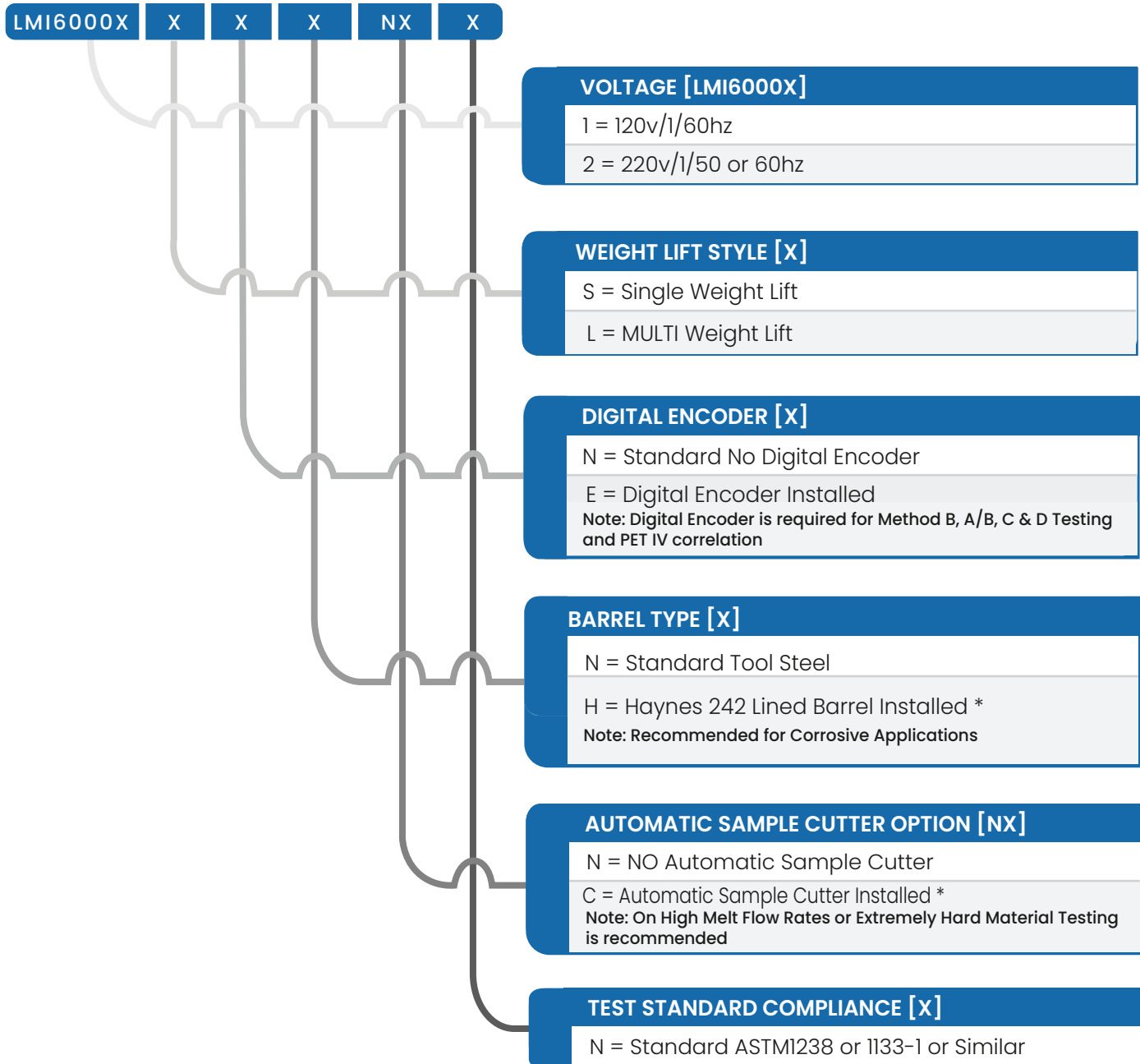
LMI6000 SERIES OPTIONS	
Dynisco IoT Cloud Console	Developed for processors to simply obtain detailed analytics and provides the ability to correlate laboratory and production rheological instruments for all devices globally on one single cloud dashboard and see any instrument around the world in real-time 24 hours, a day 7 days a week, 365 days a year.
Digital Encoder	The Digital Encoder provides a high precision measurement of piston displacement during method A/B and B tests.
Automatic Sample Cutter	Cuts samples automatically at defined cut times of Method A and Method A/B Testing. Will also cut sample at end of pre-heat melt time of a test, regardless of method. Leads to more consistent sample cutting than cutting by hand.

PERFORMANCE CHARACTERISTICS	
COMPLIANT STANDARDS	ASTM D1238 & D3364, ISO 1133-1 & 1133-2, BS2782, DIN 53735, JISK7210
OPERATING TEMPERATURE	Ambient to 430 °C
TEMPERATURE CONTROL	±0.1 °C
TIMER ACCURACY	0.001 S
DIGITAL ENCODER ACCURACY	±0.025mm over 25.4 mm
COMMUNICATION	USB x 4, PC Connectivity, Scale Interface, Printing and Flash Storage
WEIGHTS	Aluminum, Stainless or Plated Steel 0.325 to 31.6 Kg
USER INTERFACE	<ul style="list-style-type: none"> 10.2" Touch Screen Capacitive Touch Sensing
DIMENSIONS	
OVERALL DIMENSIONS, BASE MODEL	13W x 21D x 20H in. (33W x 53D x 51H cm)
WEIGHT, BASE MODEL	47lbs. (21.3 Kg)
SHIPPING WEIGHT, BASE MODEL WITH WEIGHTS	180 lbs. (81.8 Kg)
CRATED MACHINE SHIPPING DIMENSIONS, BASE MODEL	(LMI6000 w/lif will ship horizontally)
ELECTRICAL SPECIFICATIONS	
SYSTEM VOLTAGE	100-120Vac 50/60Hz or 220-240Vac 50/60Hz, 500VA, +5%, 1 single phase
POWER	500W max, 100W typical at set point



LMI6000 ORDERING GUIDE

CONFIGURE YOUR EXACT PRODUCT DESCRIPTION WITH THE TABLE BELOW.



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DYNISCO HEADQUARTERS
 38 FORGE PARKWAY
 FRANKLIN, MA 02038 USA
WWW.DYNISCO.COM

HOTLINE 1-800-DYNISCO
 PHONE 1-508-541-9400
 FAX 1-508-541-6206
 EMAIL INFOINST@DYNISCO.COM

DYNISCO EUROPE
 PFAFFENSTRASSE 21
 HEILBRONN, DE 74078
WWW.DYNISCO.COM

HOTLINE 1-800-DYNISCO
 PHONE +49 7131 2970
 FAX +49 7131 23260
 EMAIL DYNISCOEUROPE@DYNISCO.COM