

LACTOSCAN STEPPER MOTOR

Precision Drive Motor for Milk Analyzer Systems

Reliable Motion Control • High Accuracy • Smooth Performance

Compact and dependable stepper motor designed for precise movement and stable operation in Lactoscan milk analyzer applications. Built for consistent performance, easy integration, and long service life.

KEY FEATURES

-  High Accuracy
-  High Torque
-  Low Inertia
-  Smooth Operation
-  Durable Build
-  Easy Integration



RELIABLE
BY DESIGN

APPLICATIONS



Milk Analyzer
Systems



Dairy
Equipment



Precision
Automation



Laboratory
Instruments



Service &
Replacement Use

TECHNICAL SPECIFICATIONS

Lactoscan Stepper Motor

Compact NEMA 17, 2-phase stepper motor designed for precise and stable operation in Lactoscan milk analyzer systems and related equipment. Built for dependable motion control, accurate positioning, and easy integration.

Product Type	Lactoscan Stepper Motor
Motor Series	PHB42S Series
Frame Size	NEMA 17
Phase	2 Phase
Step Angle	1.8°
Step Angle Accuracy	±5% (full step, no load)
Resistance Accuracy	±10%
Inductance Accuracy	±20%
Temperature Rise	80° C Max. (rated current, 2 phase on)
Ambient Temperature	-20° C to +50° C
Insulation Resistance	100 MΩ Min., 500VDC
Dielectric Strength	500 VAC for one minute
Shaft Radial Play	0.02 Max. (450 g-load)
Shaft Axial Play	0.08 Max. (450 g-load)
Available Lengths	20, 28, 34, 40, 48, 60, 63 mm
Typical Applications	Milk Analyzer Systems, Dairy Equipment, Precision Automation, Laboratory Instruments



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- High Torque
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- Durable Build
- Easy Integration



MODEL RANGE



PHB42S20



PHB42S28



PHB42S34



PHB42S40



PHB42S48



PHB42S60



PHB42S63

APPLICATIONS



Milk Analyzer Systems



Dairy Equipment



Precision Automation



Laboratory Instruments



Service & Replacement Use

ABOUT KTPL

KTPL is a trusted name in precision motion solutions, delivering reliable and high-performance components for industrial, medical, and analytical applications.