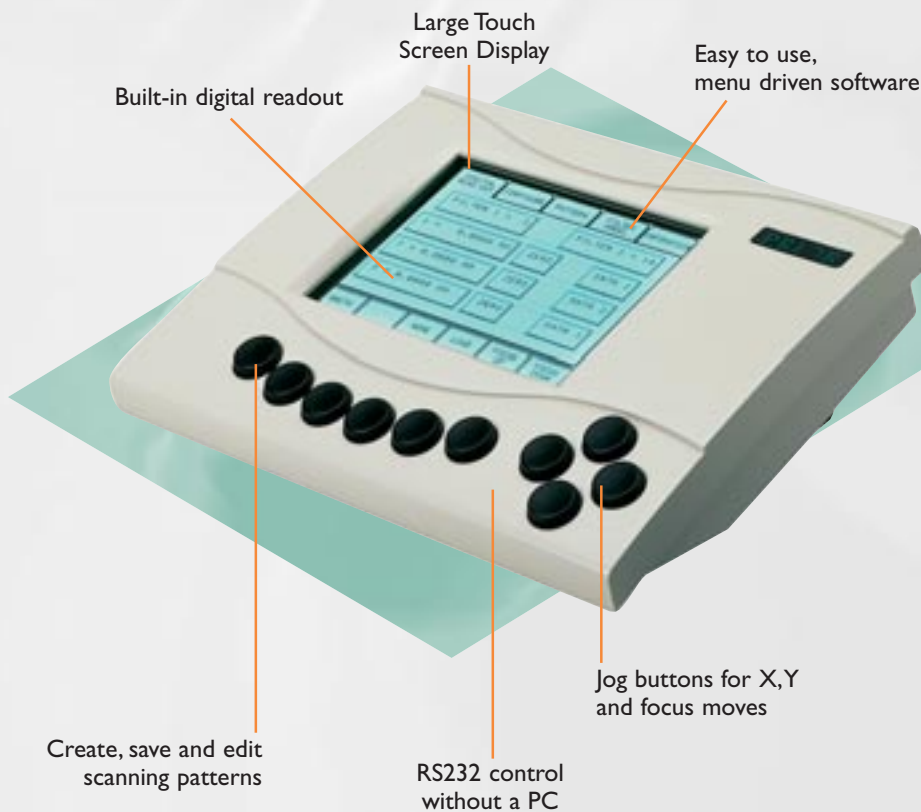


Touch Screen Programmable Keypad

PRIOR
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Compact Mini Computer for ProScan and OptiScan Systems

Features



The CS152KB Touch Screen Programmable Keypad is a powerful, compact mini-computer, which provides stand-alone control for Prior's ProScan and OptiScan motorized stages and accessories. The Programmable Keypad features touch screen technology plus a comprehensive and intuitive software package. A range of menus allow for programming of raster, snake and user-defined patterns which can be input, stored and recalled. Information on the current stage position is always available and points of interest can be saved for later review. Patterns and saved points can be downloaded to a PC for further analysis, or uploaded for review.

The CS152KB is extremely user friendly. Plug & Play functionality means the Keypad automatically configures itself according to the many Prior Scientific motorized stage accessories which can be attached. Only the applicable menus for those devices attached are displayed, providing an uncluttered screen that is simple to use. All stage, focus and filter wheel parameters are available and configurable via the clearly organized menu tabs. The CS152KB is the perfect size, small enough to fit easily into your present work space, but with a screen that is large enough to provide a Digital Read Out (DRO) that is easily viewed at a glance.

General Specifications

Display:	1/4 VGA Monochromatic
Resolution:	320 x 240 pixel
Back Lighting:	Integral, variable
User Interface:	Touch sensitive membrane
Overall Size:	229 mm (9") wide x 178 mm (7") deep x 89 mm (3.5") high
Weight:	1.8 kg (4 pounds)



Menu List

DIGITAL READ OUT

Shows the current position of the stage, focus, filters and shutters
The user can control X,Y,Z, initiate autofocus and open & close shutters

CONFIGURE

Set preferences for stage, focus and filter wheels such as: speed, acceleration, joystick direction, resolution and backlash
Passwords, backlighting and audible feedback may also be configured
Terminal Screen replicates a PC keyboard for sending RS232 commands

PATTERNS

Four Pattern types are provided - snake, raster, circle, and custom
Run existing patterns, create a new pattern, import and export patterns, select from a list of stored points and delete patterns or points from the list

FILTER WHEEL

Provides control of filter wheels and shutters

ABOUT

Shows the user information about the controller and devices attached to the controller
Displays general contact information for Prior Scientific

Typical Display Screens

Stage Configuration

DIGITAL READ OUT	CONFIGURE	PATTERN	FILTER WHEEL	ABOUT
STAGE	FOCUS	FILTER 1	FILTER 2	HOME
SPEED	100 %			▲
JOY SPEED	100 %			
MAX ACCELERATION	100 %			
FIRST ACCELERATION	100 %			
JOY X REVERSED	YES			EDIT
JOY Y REVERSED	YES			
JOG X	+1,000 MM			
JOG Y	+1,000 MM			
SET RESOLUTION	1 UM			▼
BACKLASH NEXT ON	YES			
UNITS	TERMINAL SCREEN		FOCUS UP	FOCUS DOWN

Creating A Snake Pattern

DIGITAL READ OUT	CONFIGURE	PATTERN	FILTER WHEEL	ABOUT
RUN	CREATE	IMPORT EXPORT	STORED POINTS	EDIT DELETE
TYPE	RASTER			▲
PATTERN NAME	1			
X FIELDS	5			
Y FIELDS	3			
X WIDTH	+1,000 MM			EDIT
Y WIDTH	+1,000 MM			
AUTO STEPPING	YES			
HOME DELAY (MS)	100			▼
AUTOFOCUS	0			
FOCUS RANGE	2			
OK			FOCUS UP	FOCUS DOWN

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Specifications subject to change without notice.