



PRODUCT HIGHLIGHT

| K600 & K610 PLATFORM CONTROL SYSTEMS

The K610 is Sensata's next-generation control system for slab scissor lift vehicles, giving OEMs the functionality and flexibility to meet their design needs. In addition to two isolated CAN for communications, the K610 is based on the CoDeSys open-source programming framework – allowing for manufacturers to program in their own functionality to achieve faster product iterations and improvements.

The K600 utilizes a more traditional programming framework while still delivering additional multi-language support and other enhanced functionality through the P610 PCU.

FLEXIBLE PROGRAMMING PLATFORM



The K610 leverages the CoDeSys programming platform to provide OEMs with the flexibility to program their own functionality as needed

INCREASED PRECISION

3 Channels PWM with current feedback & closed-loop control



E610 GCU

COMMUNICATION

Dual Isolated Can to deliver the communication needs of slab scissor equipment

IMPROVED SAFETY AND ANSI 92 COMPLIANCE

Automatic calibration and chassis leveling to increase maintenance and control efficiency and improve safety/ANSI 92 compliance

INTEGRATE ADDITIONAL SENSORS

3 Analog inputs allow for integration of additional sensors to platform without additional cabling

CONVENIENT CHARGING

Integrated USB to allow mobile device charging and better on-site use



P610 PCU

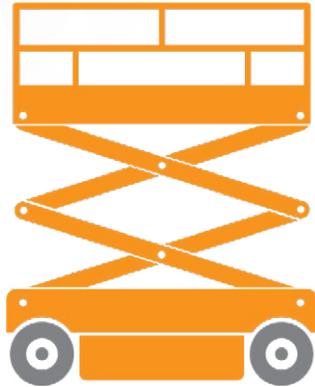
ADDITIONAL BUTTON OPTIONS

6 Pushbuttons allow for more functionality and design flexibility



APPLICATIONS

BATTERY POWERED SCISSOR LIFT



VERTICAL MAST LIFT



PLATFORM CONTROLLER COMPARISON

Key Specifications	 K610	 K600	 K500
I/O	AIx6, AOx2, DIx15, DOx12, PWMx3	AIx6, AOx3, DIx15, DOx14, PWMx2, Powerx1	AIx6, AOx2, DIx15, DOx14, PWMx2, Powerx1
Communication	CANx2, 1PCANx1, USBx2, Capable to connect GPS	UARTx1, CANx1 USBx1, Bluetooth Capable to connect GPS	UARTx1, CANx1 USBx1 Capable to connect GPS
Flexible programming (IEC 61131)	 CODESYS	-	-
HMI	Multi language, 192x96 dot LCD	Multi language, 122x32 dot LCD	English, 80x16 STN LCD
IP Level	IP65	IP65	IP65
PCU Analog Input	AIx3	AIx3	-
Life	Joystick > 5 million cycles, Pushbuttons > 1 million		

ORDERING INFORMATION

Part Number	Product	Description
K600-00-01	K600	Platform Control Kit
K610-00-01	K610	Platform Control Kit
E600-00-01	E600	Ground Control Unit
E610-00-01	E610	Ground Control Unit
P610-00-01	P610	Platform Control Unit

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