

1. Industrial Sensor Actuator & Control Kit

This kit provides an introduction to the role of industrial controllers - under control of conventional controller software, as well as with third party applications like LabView and Visual Basic. Students are given several industrial applications that they need to construct and develop programs for and sample applications in Flowcode, Visual Basic and LabView are provided.

Learning objectives/experiments:

- DC motors with speed control
- Stepper motors
- Relays and solenoids
- Temperature and light sensors
- Potential dividers and their use
- Transistors as switches
- Electric controllers and their function
- Open and closed loop feedback
- Control system operation and function
- Control of systems using Flowcode, Visual Basic and LabView

Code	Pack	Price
LK5783	Each	£784.73

2. Baseboards & Spares

Code	Description	Pack	Price
LK3000	4 x 4 baseboard (4mm pillars & battery holders)	Each	£40.36
LK5940	4 x 4 baseboard (2mm pillars & battery holders)	Each	£37.80
LK8900	7 x 5 baseboard with 4mm pillars	Each	£54.21
LK7302	7 x 5 baseboard with 2mm pillars	Each	£46.34
LK3293	Spare 4mm pillar and bolt	Each	£1.21
LK3288	Battery contact spring	Each	£1.33
LK8615	Battery retaining clip	Each	£1.12
HP1831	Locktronics benchtop power supply	Each	£298.23

3. Blank Carriers

Code	Description	Pack	Price
LK5800	Blank carrier - small	20	£49.33
LK5900	Blank carrier - large	10	£50.41
LK7215	Blank resistor carrier	Each	£2.59
LK7216	Blank capacitor carrier	Each	£2.59
LK7217	Blank electrolytic capacitor carrier	Each	£2.59
LK7218	Blank NPN transistor carrier	Each	£4.87
LK8013	Blank diode carrier	Each	£2.60

4. Links & Carriers

Code	Description	Pack	Price
LK4786	Automotive fuse carrier	Each	£7.94
LK4839	Locktronics mini prototype board	Each	£9.55
LK5250	Connecting link	Each	£3.05
LK5251	Crossover link	Each	£5.14
LK5290	Sampler	Each	£6.33
LK7936	Fuse/universal component carrier	Each	£8.46

