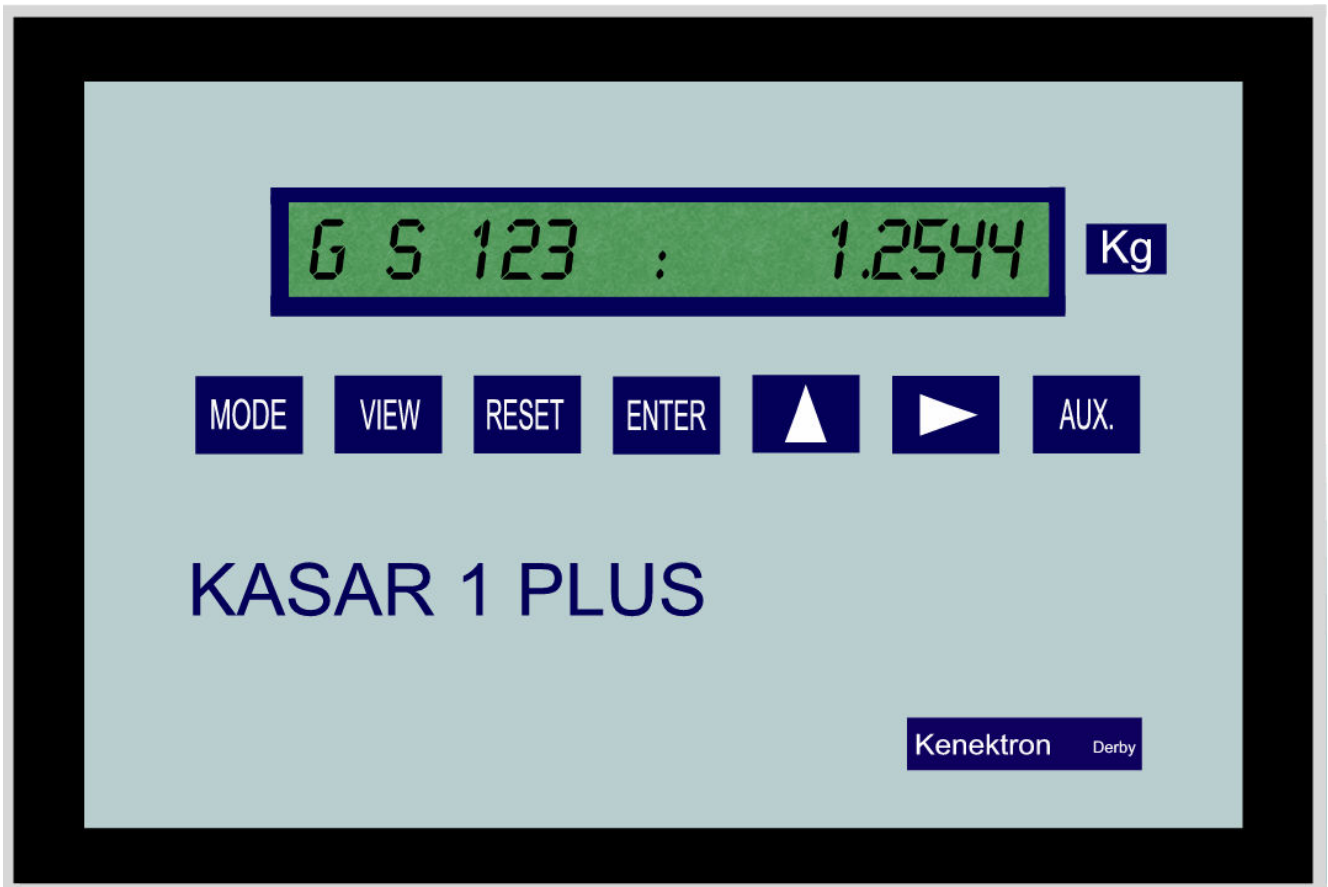




Industrial Weighing – Micro Processor Systems – Process Control Panels

## **KASAR 1 PLUS**

**LOADCELL AMPLIFIER**



The Kasar 1 Plus is a compact and economical loadcell amplifier; which may be further enhanced to satisfy the weigh controller requirements of most batch processing applications.

## Description

The Kasar 1 Plus has a 65,000 internal count capability and converts 1000 times per second. This enormous dynamic range makes it equally suited to loss in weight, gain in weight or counting scale applications.

Calibration of the unit is performed via the 16-digit LCD dot matrix display and membrane keypad. The display includes a backlight to assist visibility in badly lit areas.

The system supports a 4-relay output option, which combined with the standard set point entry facility, converts the Kasar 1 Plus to a compact mini-controller.

With its motion detect function coupled to the relay option the Kasar 1 Plus makes an ideal low-cost instrument for go or no-go applications.

The 4 to 20mA analogue or serial RS232 output further enhance the product.

## Standard Features

Bulkhead Enclosure rated to IP66  
Panel Mount Version can be IP66  
Excitation for up to four x 350 Ohm loadcells  
upto 6 loadcells by request  
3000 division scale  
16-digit LCD display  
Set points  
17 selectable scales  
Motion detect  
Keyboard calibration  
65,000 internal counts  
Converts 1000 times per second  
Selectable update rate

## Specification

### INPUT CIRCUIT

Input range	0.24mV/V to 5mV/V
Excitation	10 volts DC
Internal resolution	16 Bit
Linearity	+/- 1LSB in 65,536counts
Zero offset range	0 to +/- 1.6 mV/V
Input filter	Programmable
Motion Detection	Programmable

### HMI

Display type	16 character LCD
Character height	9.3mm
Enhancement	LED backlight
Key-Pad	7 key membrane.

### SETUP

User selectable scales	0.3000 to 30,000
Display resolution	1 in 3000
Calibration scale	Programmable
Minimum increment	Programmable
Security	10 char. access code
Programming	Via 7 way keypad
Calibration	Automatic via keypad

### PHYSICAL

Size (Panel Mount)	H120 x W175 x D158
(Bulk Head)	H200 x W212 x D70
Panel cut out	65.5 x 138.5
Operating temperature	-10 to 50°C
Power supply options	110 or 240 volts AC
( Specify with Order )	12 or 24 volts DC
Output options	RS232 serial or RS485
	0-10V or 4-20mA
	Opto-isolated I/O