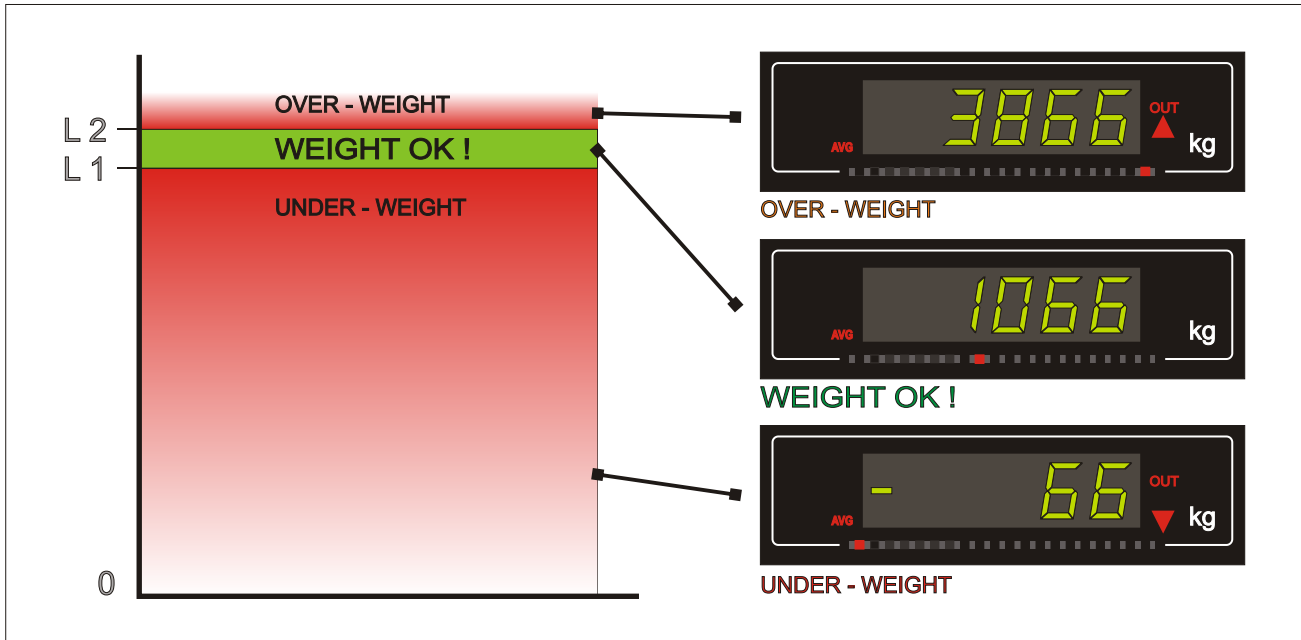


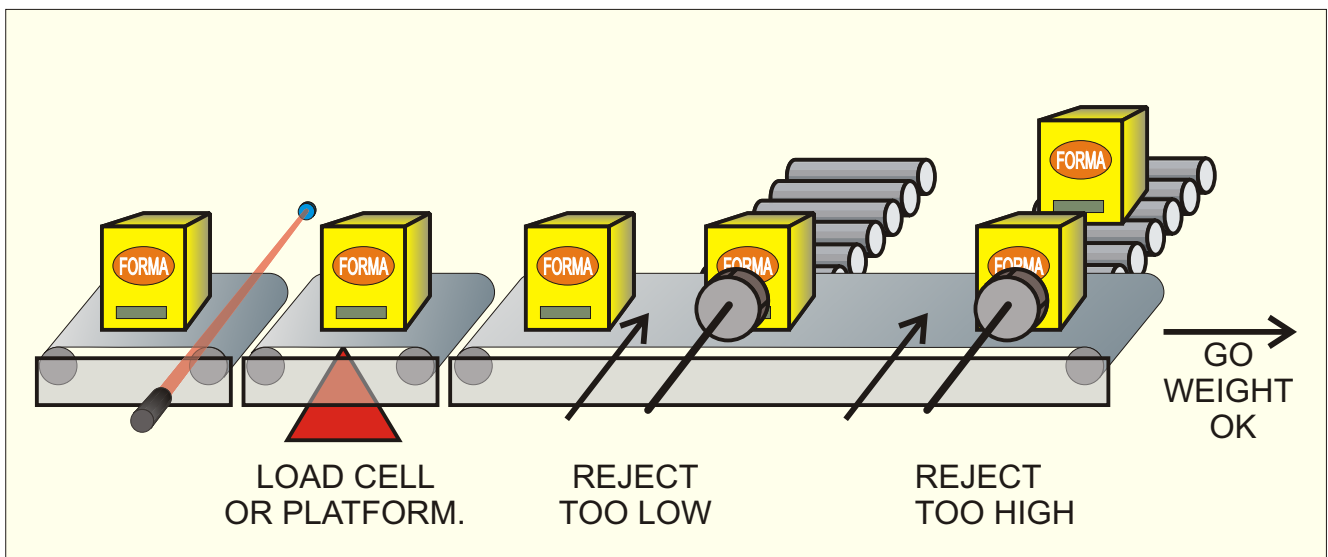
## Checkweighing Indicator, SAI-CK

- Designed for use with in-line checkweighers
- 250 samples per second, 16 bit ADC
- Approved by NMI to 4000d : Certificate TC 2636
- Too high, too low and pass judgements in milliseconds
- Solid State relay outputs for 'too high' and for 'too low'
- Photocell input for 'Start' weighing sequence
- RS232 interface with optional print facility
- LED display and bargraph
- Panel mounting (other types available)
- Extruded and machined aluminium housing

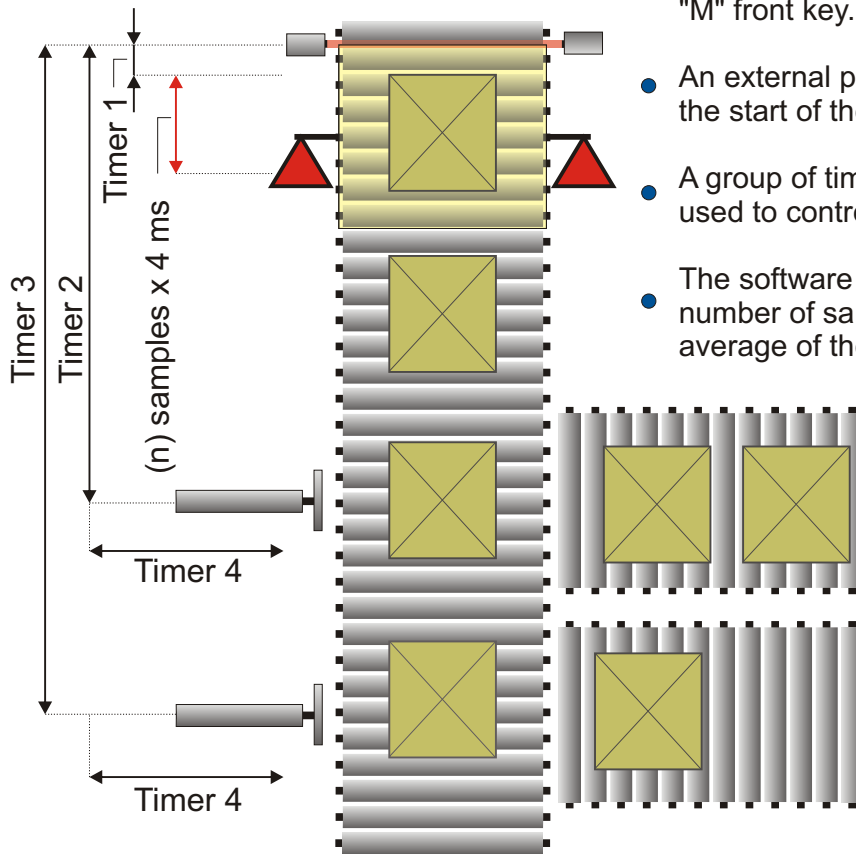
The SAI-CK provides the answer to all kinds of checkweighing applications. Utilising advanced technology for extremely fast weighing, it is now easy to get a high quality judgment as to the weight of an object, and then to initiate the appropriate action. Simply combine the SAI-CK with a load cell or platform, or use it as a component in a larger application. Full digital set-up and calibration combined with easy installation makes this instrument the ideal choice for checkweighing.



The Indicator shows : Underweight by the arrow pointing down and a dot on the left side of the led-bar. Overweight by the arrow pointing up and a dot on the right side of the led-bar. When the weight is correct, the dot will be in the middle of the led-bar. The led-bar dimension is scaled to the weight-OK band. These indications are held for maximum of 1 second before they are refreshed by new values.



## HOW TO USE IT



- Set the "High" and "Low" limits with the "M" front key.
- An external photoelectric switch signals the start of the check weighing cycle(s).
- A group of timers, set in milliseconds, are used to control the reject devices.
- The software allows you to determine the number of samples used to obtain the average of the weight value.
- The maximum number of items in progress is four. This allows for one item to be between the checking and rejection areas.

## PRINT THE RESULTS

The printout HEADER and FOOTER are programmable. The installed printer function totalizes and prints automatically when the number of items checked exceeds a preset value, or 60000, or the total weight is beyond a value of 9999999. The layout is standard 24 characters wide.

The printout provides you with the following information :-

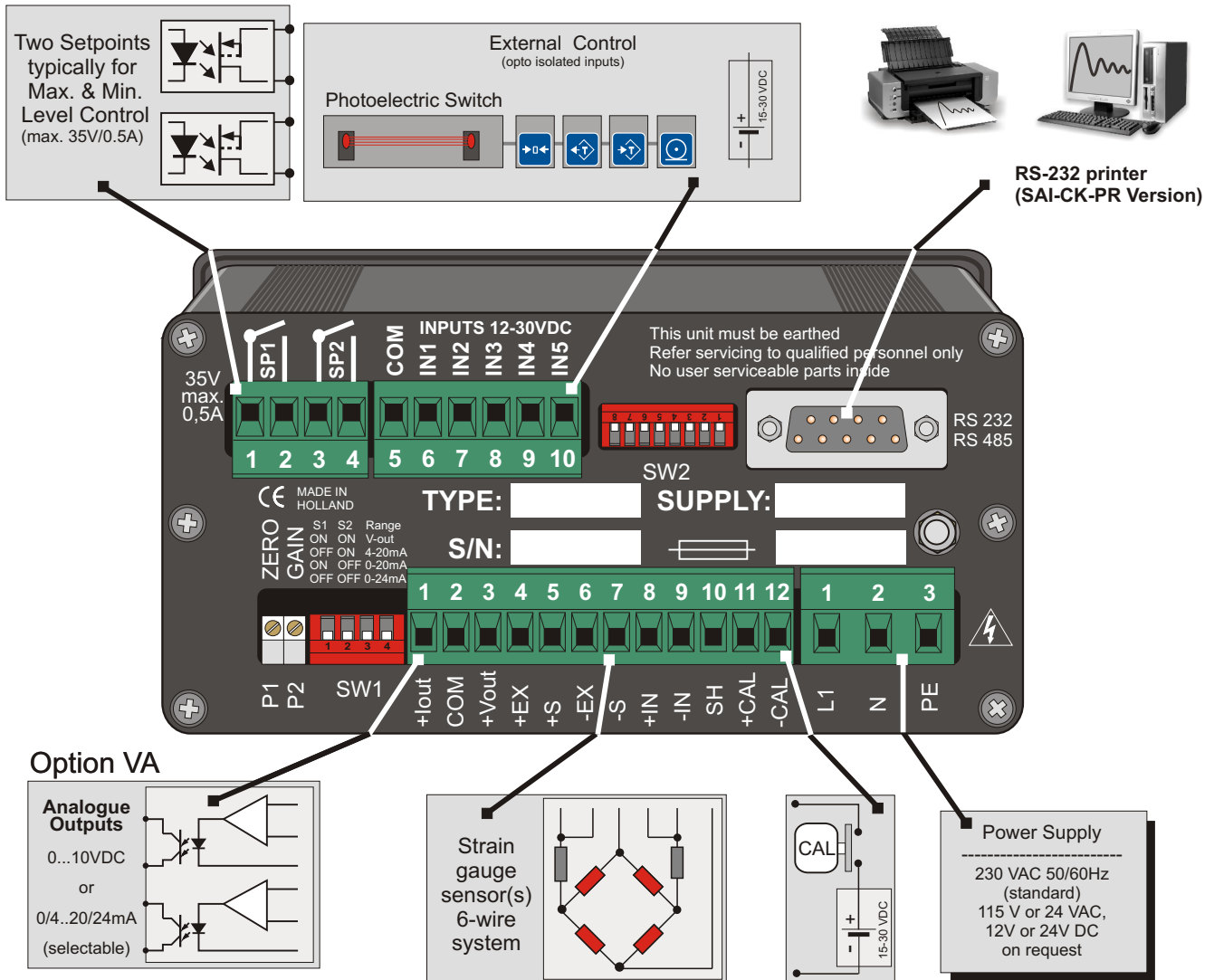
- The DATE and TIME of printing
- The LOW LEVEL. This is the level which activates the reject mechanism for underweight items
- The HI LEVEL. This is the level which activates the reject mechanism for overweight items
- TARE PT is the value of the preset tare. The check-weighing function is based on the net weight SUBTOTAL or TOTAL. The subtotal is often used as a progress report. On completion, a total report can be printed. This also resets the memories to zero
- The AVERAGE on the printout shows the average weight of all accepted packages
- UNDER and OVER shows the number of packages rejected due to incorrect weight

```

-----
YOUR HEADER MESSAGE
DATE      : 05-09-98
TIME      : 09:15
LO LEVEL  : 0.995 kg
HI LEVEL  : 1.010 kg
TARE PT   : 0.100 kg
SUBTOT.   : 123.174 kg
AVERAGE  : 1.001 kg
COUNT    : 123
UNDER     : 7
OVER      : 5
YOUR FOOTER MESSAGE
-----
    
```

```

-----
PENKO ENGINEERING B.V.
DATE      : 05-09-98
TIME      : 09:16
LO LEVEL  : 0.995 kg
HI LEVEL  : 1.010 kg
TARE PT   : 0.100 kg
TOTAL.    : 123.174 kg
AVERAGE  : 1.001 kg
COUNT    : 123
UNDER     : 7
OVER      : 5
WEIGHING = PROFIT
-----
    
```



Specifications

Specifications are subject to change without prior notice

Linearity	: < 0.005 % F.S.
Excitation Voltage	: 10 VDC, capable of driving up to 4 load cells with 350 Ohm bridges
Input Signal Range	: 0...25 mV, 50/60Hz suppression > 200dB
Signal Filter	: in steps from 1...9 adjustable from 0.2 Hz to 20 Hz, low pass filter
Analogue Output (Option VA)	: 0...10 V or 0/4...20/24mA, 16 Bit DAC, freely programmable, Gross, Tare or Net functions selectable
Digital Display	: 14.2 mm LED display with a 25 segment Bar graph, freely programmable
ADC Resolution and Speed	: 16 Bit ADC with up to 1000 samples per second (internal)
Digital Inputs	: 4 optically isolated; 12...30 VDC Logic levels, remote external key pad control
Setpoint outputs	: Two optically isolated solid state relays, voltage 10..35 V AC or DC, max. current 0.5 A
Computer Interface	: RS 232 or optional 2/4 wire RS 485, optically isolated, 1200...9600 Baud (100 readings/sec.), bus mountable, addresses from 0...255
Temperature Effect	: Zero <12ppm/°C and Span <10ppm/°C
Temperature Range	: -10°C to +50°C
Housing	: Extruded Aluminium, Stainless steel available by special order (different dimensions)
Dimensions	: 150 x 78 x 180 mm, Weight approx. 1.8 kg
Power Supply	: 230 VAC 50/60 Hz standard, 115 V or 24 VAC on request : 12V or 24V DC options

DSSAI-CK-4, 09/04



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Precision Load Cells  
Accessories and Mountings  
Measuring Instruments and Systems