

## AMPLIFIER UNIT FOR LOAD CELLS AND FLOW RATE MEASUREMENT

**MULTICOMP BCD**

BUNKER &amp; BILANCE

**BEST IN CLASS FOR:**

WOOD BASED PANELS:  
PB/SPB  
OSB/LSB/FOSB  
MDF/HDF

MULTICOMP BCD is an amplifier unit that has been designed to amplify the load cell signal and calculate the flow rate of the BCD scale, making this data available on the display and via a 4-20mA analogue signal.

The unit acquires the signal from the load cell located below the weighing bridge and amplifies it by calculating the instantaneous static weight of the scale. Furthermore, an encoder is applied to accurately measure the speed of the weighing scale belt and, by multiplying the speed by the static weight, the unit calculates the scale flow rate in Kg/min.

**MAIN FEATURES:**

- Full scale value of the weighing scale • Value in mV delivered by the load cell in proportion to the supply voltage and static weight applied • Number of pulses/encoder revolutions to calculate the speed at which the belt travels
- Touch screen parameter programming • Display belt speed, static weight, flow rate in Kg/min, filling percentage of the bin (option)

**ADVANTAGES:**

- Possibility of having all the control variables for the scale readily available and to be able to check these real time (belt speed and flow rate)

## OPTIONS

- A second load cell input is available as an additional option (not supplied in the standard version) to show how full the bin upstream of the weighing scale is.
- ATEX: Equipment compliant with 94/9/CE/ATEX 95 Directive and suitable for zone 22 installation (on the basis of Directive 99/92/CE ATEX 137), and that is, intended for use in potentially explosive atmospheres due to the presence of dust.

TECHNICAL DATA	
MAX. ABSORPTION	50 VA
VOLTAGE	110/240 V - 50/60 Hz
DIMENSIONS	380 x 380 x 260 mm
PROTECTION GRADE	IP54
ENVIRONMENTAL TEMPERATURE	-20 ÷ +70 °C