

# THE DERWENT GROUP

Industrial Weighing – Micro Processor Systems – Process Control Panels

## ***KASAR 5 SERIES*** **BAG FILLING CONTROLLERS**



The Kasar 5 Series is a group of dedicated “Big Bag” filling controllers. With applications across the World the system has an impeccable track record, spanning a number of years.

## Description

There are two basic models in the Kasar 5 Series of Controllers, one for use with static bag supporting weigh platforms, the other for systems that weigh the bag whilst suspended from the bag loops.

Each model has an advanced specification and is available for use in hazardous areas, when using suitable barrier devices.

There are versions fitted with "Learn" modes for filling bags by volume. Here the system automatically re-adjusts the target, trickle offset and other filling parameters after the first bag of a new blend is bagged off to the required volume.

This function is especially useful where the bulk density of the product may vary for instance if the product is supplied from a centrifuge or spray drier.

Automatic bag release models are available with additional Pallet Call and Pallet detect functions.

The Kasar 5 is fitted with a minimum I/O capacity of three remote digital inputs and eight relay outputs. This is expandable to 24 remote inputs and 15 relay outputs. All relay outputs are volt free.

Each model in the series is fitted with a diagnostic routine that allows testing of the remote inputs and relay outputs individually via the instrument keypad.

Communication facilities include a serial RS232 and an analogue option that gives either a tracking 4-20mA current loop or a 0-10v signal.

## Features

### Manual Controls

Bag Support mechanism control  
Inflation Fan On/Off  
Vibration On/Off  
Fast Feed  
Slow Feed  
Stop Feed  
Executive Mode Access

### Programmable Parameters

Target Weight  
Trickle Offset  
Zero Window setting  
Bag Support time setting  
Bag seam stretching cycle time  
Overload Alarm level  
No Feed Alarm delay  
Automatic In-flight Offset primary setting  
Vibration starting weight  
End of Fill Cycle Vibrate time  
Tare Limit  
Tolerance Band setting  
Real-Time Clock setting

## General Specification

Weight Display: 5 Digit LED Display 0.8"  
Data Display: 5 Digit LED Display 0.56"  
Display Resolution: 1/4000 or 1/5000  
Full Scale: 15 Selectable Scales  
Input resolution: 1/20000  
Input Conditioning: Digital Input Averaging  
Input Sensitivity: 0.4mV/V to 8.0mV/V

Drive capability: 6 x 350 $\Omega$  loadcells  
Remote Inputs: Up to 24  
Relay Outputs: Up to 15 (volt free)  
Communications: Serial RS232  
Analogue Outputs: 4-20mA or 0-10v  
Power supply: 110 /230v AC