

STRATEC KEG

Gamma Fill Level Inspection
for Kegs



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STRATEC
CONTROL-SYSTEMS

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VISION SYSTEMS

General Introduction

The STRATEC KEG Inspection System checks kegs after the filling process for a correct fill level by means of gamma technology. The use of gamma rays is necessary in order to have enough energy for penetrating the wide diameters of beer kegs.

This technology allows a resolution of 5-8 mm that covers the complete range for fill level inspection of kegs.

The inspection bridge (with the gamma source) is installed on the conveyor and checks passing kegs sidewise, similar to fill level inspection of standard containers.

The recorded data is transmitted to the STRATEC PC-400 for evaluation. The operation of the control unit is easy and comfortable.

In case of a wrong fill level the system triggers a potential free 24 V error signal that can be variably processed.



Mode of Operation

During the measurement the container is irradiated with gamma rays. According to the particular fill level a different amount of energy is absorbed. Consequently the fill level can be exactly defined.

If there is a wrong fill level the inspection system triggers an error signal for various subsequent processing e.g. rejection, stop signal....

Technical Data

PC based System:	6,4" Touch Screen
Power supply in volt/herz/:	230V/50-60
Environmental temperature in degree Celsius:	5- 42
Sensor bridge measurements (BxHxD) in millimetre:	990x400x180
Sensor bridge weight in kilogramme:	55
Control unit measurements (BxHxD) in millimeter:	400x500x280
Control unit weight in kilogramme:	42,5
Building class:	steel cabinet V2A / IP 55
Conveyor speed approx. in meter per second:	1,5
Distance from carton to carton in millimeter:	60
Running direction	
Radiation source:	gamma nuclide 137 CS 10 mCi
Interface:	Ethernet, 1x seriell RS232/RS422/RS485
Rejection signal positiv switch:	max. 24 V - 0,5 A
BDE-Interface:	upgradeable
Inputs:	16, +(8), 24V+
Outputs:	8, +(8), 24V+



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