



BBULL KEG

Gamma Fill Level Inspection for Keg

PRODUCT SPECIFICATION



General

The **BBULL 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 **BBULL 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/hertz: _____ 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, positive switch: _____ max. 24 V - 0,5 A
BDE-Interface: _____ upgradeable
Inputs: _____ 16, +(8), 24V+
Outputs: _____ 8, +(8), 24V+

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