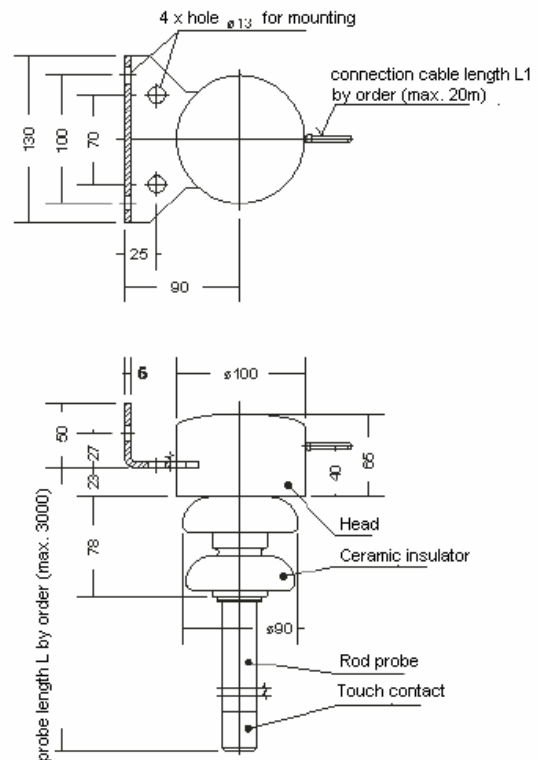




BOS-4T rod conductivity probe



Use:

The probe is designed to guard the transfer point at the conveyor belt and to measure the level of liquids on the electric conductivity measurement principle. The probe can be used with electrically conductive liquids and fine-grained bulk solid materials which cannot damage the level gauge due to their properties (e.g. abrasivity, corrosion, etc.)

The probe can communicate with the evaluation electronics of the JPB-BOS intrinsically safe converter or the BOS 21 electronic module.

The probe can be used in normal, humid, dusty, or explosion hazard environments.

Description:

The probe is a rod with a conductive contact at its lower end and an insulator at its top end. The insulator is embedded in the head.

The head is equipped with a holder to hold the level gauge on the construction by means of two M12 screws. A cable 2x1.0 mm² for connecting to the evaluation unit is connected to the head.

Technical parameters:

Max. probe length L	3 m
Min. probe length L	0,5 m
Max. cable length L1	20 m
Operating position	vertical
Max. connecting line voltage	24 V
Max. probe current	1 mA
Min. insulation between contact and head cover	5 MΩ
Weight for max. probe length and max. cable length	8,07 kg
Protection	IP 65
Ambient temperature	0°C ... 35°C
Relative air humidity	max. 95 %

The catalogue has only those selected important parameters for your final decision. For project designs always ask for the user's guide for this product and any engineering consultation about possible uses.



BOS-4L rope conductivity probe



Description:

The suspension rope probe is comprised of a steel wire rope "Herkules" with 12.5mm diameter which is PVC-coated so that the final rope diameter is 16.5mm.

The lower end of the rope is embedded in a cylindrical steel weight with a brass touch ring by means of a tin-lead solder. The top end of the rope is embedded in the conical opening of the body located inside the head and insulated from this head by an alkamide ring.

Use:

BOS-4L is mounted to the steel construction by means of two M12 screws, in vertical position only.

When selecting a location, take into consideration that the level gauge may not be placed inside the flow of the material.

The cable is connected to the head through a P13.5 type gland bushing. After mounting the level gauge it is necessary to check the length of the suspension probe with regard to the required indicated level.

Technical parameters:

Max. probe length L	3 m
Min. probe length L	0,5 m
Max. cable length L1	20 m
Operating position	vertical
Max. connecting line voltage	24 V
Max. probe current	1 mA
Min. insulation between contact and head cover	5 M Ω
Weight for max. probe length and max. cable length	8,07 kg
Protection	IP 65
Ambient temperature	0°C ... 35°C
Relative air humidity	max. 95%

The catalogue has only those selected important parameters for your final decision. For project designs always ask for the user's guide for this product and any engineering consultation about possible uses.