

SELF-MONITORING MULTI PROBE ELECTRODE SME 32.xS

The multi probe electrode SME 32 consist of a plug-in terminal box, cooling tube, common body with connection for 4 independent probes and electrode bars which are protected with an insulated PTFE cover.

The self-monitoring low level limiter uses two of the probes in the common body for measuring. The length of the electrode No. 1 is adapted according to lowest water level in the boiler.

Probe No. 2 is used for self monitoring systems. By using conductivity measuring the electrode tip (probe No. 1) measures the differences between steam and water.

Probe No. 2 is supplied with a measuring clip which surrounds the insulator on probe No. 1

The Safety Device self-monitoring part, continuously measures through a built in resistance bridge the insulator resistance.

Any changing of the electrical resistance in the insulator will cause the low water limiter to cut out the heating.

The electrode body SME 32.2S can be supplied with two further probes for ex. Pump control on/off and high level alarm. When all the probes in the body are used, the type number for the electrode is SME 32.4S.

