SLOPE-BASED COMPENSATION INCLUDING SECONDARY OUTPUT SIGNALS

ABSTRACT

A biosensor system determines analyte concentration from analytic and/or secondary output signals. The biosensor system adjusts a correlation for determining analyte concentrations from output signals with one or more index functions extracted from the output signals. The index functions determine at least one slope deviation or normalized slope deviation from one or more error parameters. The slope-adjusted correlation between analyte concentrations and output signals may be used to determine analyte concentrations having improved accuracy and/or precision from output signals including components attributable to bias.

Fig. 1A