

# STALWART

## Flame Photometer SA-30



## Introduction

SA-30 Flame Photometer is used for sample, precise and economical measurement of concentration of alkaline elements in aqueous solution and for analytical applications in process and laboratory. It is specially developed for industrial & clinical applications. SA-30 requires Propane, Butane, Natural Gas or L.P.G. as a fuel which allows flame photometric measurement up to five elements. In addition purified and dried air is required. The Model SA-30 has been developed with the objective to improve productivity and analytical performance of laboratory when measuring Sodium, Potassium, Calcium, Barium and Lithium. Set up and calibration time of instrument is much reduced, which is achieved by the ignition and optimization of flame conditions. Readings are linear over the working range of the Model SA-30. the Model SA-30 can operate in continuous or peak mode. In peak mode the Model SA-30 automatically detects a stable reading.

## Features

- Designed for industrial analysis
- Supplied with Na, K, Li, Ba and Ca filters
- Low temperature, single channel
- Flame failure safety system
- Fine 7 Coarse Sensivity Controls
- Operates on Propane, Butane, Natural Gas or L.P.G Supplies
- Switchable Decimal Point

## Specification

Item	SA-30
Range	0 to199.9ppm
Limit of Reaction	
Na	0.2ppm
K	0.2ppm
Li	0.25ppm
Ca	15ppm
Reproducibility	<1% coefficient of variation for 20 consecutive samples using 10ppm Na set to read 50
Linearity	< 2% error when 3ppm Na/K and 5ppm Li are set to read 100
Stability	< 2% drifts over 5min when continuously aspirating 10ppm Sample set to 50.0
Specificity	Interference from Na/K and Li Equal in concentration to test element will be <0.5%
Display	Digital LED
Aspiration Rate	2 to 6 ml/min