

DIGIFLAME 2000



Flame Photometer for Industrial and Clinical Applications Model DV-710

Dual channel FLAME ANALYZER for the simultaneous determinations of Sodium (Na) Potassium (K) and Lithium (Li) option Calcium (CA)

- Same instrument can be used for industrial as well as clinical application
- Pre-set and free programs. Signal integration methods with or without internal standard.
- Digital displays of final results in concentration units.
- Simultaneous determination of Na, K and Li. Option filter Ca
- Automatic curve correction.
- Automatic instrument calibration and zero.
- Automatic Flame Ignition.
- Automatic filter selection
- Positive samples sequence identification with STAT possibility.
- Safety: valve and controls stop gas exit in case of power failure and air flow interruption.
- Fuel gas: LPG (Propane + Butane)
- Support gas: compressed air.
- Supplied with:
 - Membrane air compressor,
 - Moisture condenser to connect to the air compressor
 - 4 glass cup for samples
 - Gas and drain tubes
 - Power cord.
 - Instruction and service manual.
- Power requirements: 220 V, 50 Hz. or 110V50/60 Hz.



TECHNICAL SPECIFICATIONS

Sample volume:	50 μ l	Readout :	999ppm
Accuracy:	< 1%	Carry over:	< 1%
Fuel gas:	LPG (Propane + Butane)	Support gas:	compressed air 14l/min.
Safety device:	Gas stopped in case of power failure and air flow interruption.		

All illustrations and specifications contained in this folder are based on the latest information available at the time of printing. NT Laboratory reserves the right to make changes to materials, equipment and models, and to discontinue models at any time without notice.

SALES OFFICE: Via delle Driadi, 45 I - 00133 Roma Tel. +39-06-2001209 Fax +39-06-2003894 sales@ntlaboratory.com rd@ntlaboratory.com
ADMINISTRATION: Via Provinciale Lucchese, 145 I - 50019 Sesto F.no (FI) Tel. +39- 055-3029603 Fax +39-055-374084 adm@ntlaboratory.com

DIGIFLAME 2000



Flame Photometer DIGIFLAME 2000 DV-710 TECHNICAL DATA

OPTICAL SYSTEM	MODEL DV 710, THREE MEASURING CHANNELS, NA, K & LI MODEL DV 710/4F, FOUR MEASURING CHANNELS, NA, K, LI & CA NARROW BAND FILTERS, 589, 671, 766, 620 NM
SOURCE	FLAME
DATA MANAGER	MICROPROCESSOR
SECURITY	INTERNAL VALVE STOPS GAS EXIT WHEN AIR PUMP IS OFF AIR PUMP IS AUTOMATICALLY ARRESTED IN CASE OF LACK OF FLAME
ELECTRICAL REQUIREMENT	220V 50HZ / 110V 50/60HZ
GAS	LPG (PROPANE + BUTANE)
GAS ADJUSTMENT	TWO PRESSURE VALVES, WITH ADJUSTING KNOB, GUARANTEE A CONSTANT PRESSURE OF AIR AND GAS.
LIMITS OF DETECTION	NA <=0.2PPM / K <=0.2PPM / LI <=0.25PPM / CA < 50PPM
LINEARITY	FOR NA, K & LI BETTER THAN 1% OF STANDARDIZATION VALUE WITH LINEARIZATION FACTOR INTEGRATED
SENSITIVITY	NA <=0.2PPM / K <=0.2PPM / LI <=0.25PPM / CA < 50PPM
CONFORMITY	IEC 61010-L ELECTROMAGNETIC COMPATIBILITY 89/336/EEC- CE MARKING

Item	MOD	Volume mm l/w/h	Weight Kg	Qty	Total box	Total Weight
1	DV 710	700x420x500	27	1	1	KG. 30

ORDERS CODE

DV 710	AUTOMATIC FLAME ANALYZER DIGIFLAME 2000 (Na ,K,Li)
DV 710 /4F	AUTOMATIC FLAME ANALYZER Industrial DIGIFLAME 4F(Na ,K,Li Ca)
DV -700-2	ACCESSORY KIT FOR DV-704-710 Industrial
DV -700-3	ACCESSORY KIT FOR DV-704-710 Clinical

ACCESSORY KIT FOR CLINICAL APPLICATION DV-700-3

Gas cylinder pressure valve

- 1 btl 500 ml bottles of Li working solution (Li+=15 mEq/l) Code DV631
- 1 btl 100 ml standard solution for Na K serum samples Na=140 mEq/l; K=5.0 mEq/l) Code DV626
- 1 btl 100 ml standard solution for Na K urine samples (Na=100 mEq/l; K=100 mEq/l) Code DV627
- 1 btl 500 ml working solution (K=4 mEq/l) Code DV628
- 1 btl 100 ml concentrated Li working solution (Li+:1500mEq/l) Code DV639
- 1 btl 500 ml standard solution (Li=0 mEq/l) Code DV630
- 1 btl 100 ml standard solution (Li=3 mEq/l) Code DV633
- 1 btl 100 ml cleaning solution Code DV650

ACCESSORY KIT FOR INDUSTRIAL APPLICATION DV -700-2

Gas cylinder reducing valve

- 1 btl 500 ml Li working solution (Li+=15 mEq/l) Code DV631
- 1 btl 100 ml concentrated Li working solution Li+:1500mEq/l Code DV639
- 1 btl 100 ml standard solution Na 200ppm - K 200ppm. Code DV603
- 1 btl 100 ml standard solution Na 500ppm - K 500ppm. Code DV602
- 1 btl 100 ml standard solution Na 1000ppm - K 1000ppm Code DV601

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