



ISB

ISB - Industria e comércio LTDA



Highway RS 122 - Km 31,7 - nº 999
Bom Princípio, RS
Post Code: 95.765-000
Tel./Fax: +55 51 3534 7570
www.isb.ind.br
vendas@isb.ind.br

Don't throw this print on public roads

ISB

Indústria e Comércio Ltda.



CATALOGUE

Instrumentation and Measurement



ISB

Industria e Comércio Ltda.

DEVELOPING AND PRODUCING
HIGH-TECHNOLOGY EQUIPMENT

Capillary Electrophoresis



Models

- PNA8c/Fluorescence

Applications

- Food analysis
- Drug analysis
- Clinical analysis

Specifications

- Automatized
- 8 capillaries support
- OS: Windows or Linux
- High technology capillaries
- Specific dedicated system
- Automatic bivolt conversion

Photometer

Model

- F300-1100



Applications

- light intensity measurement
- LASERs intensity measurement
- UV radiation level measurement

Specification

- Portable unit with
- Batteries included
- Light intensity measure range: 300-1100nm
- Compatible with light filters

High Voltage DC Power Supply with Display Unit

Models:

- ISB10kV1.0 (0 to 10.000 Volts and 1.0mA maximum output)
- ISB10kV0.5 (0 to 20.000 Volts and 0.5mA maximum output)
- ISB10kV0.3 (0 to 30.000 Volts and 0.3mA maximum output)

Applications

- Capacitor tests
- Electrophoresis
- Detectors
- Surface modifications
- Electrostatic purification
- Power supply for LASERs
- Special instrumentation



Specifications

- LCD Display
- Dimensions: 11cm X 12cm X 15cm
- Manual or PC-mediated voltage adjustment
- Noise blindage
- Low ripple voltage and short-circuit protection
- Power supply included
- Adjustable output ranging from 0 to 100%
- Positive and negative (N) tension available

Vacuum Mini pump

Models

- MBV1001

Application

- Laboratory
- Industry
- General purposes



Specifications

- Adjustable vacuum (0-650mmHg)
- Low energy consumption
- Low noise generation
- Integrated Vacuometer
- Compact
- Bivolt (110V-220V) or 24 Volts DC direct power supply
- Dimensions: 11cm X 11cm X 15cm
- EPDM membrane and silicone tubes embedded (gas corrosion resistant)

Diode LASERs

Models

- 405
- 415
- 442
- 635
- 650
- 670
- others



Applications

- Detection systems
- Inspection and measurement

Specifications

- Available as continuous (without signal generator) or pulsatile (with signal generator)
- Wavelengths: 405nm, 415nm, 442nm, 635nm, 650nm, 670nm, 685nm, 785nm, 850nm and others (ask for more information).

Round Quartz Capillaries



Models

- Ask for information

Applications

- Capillary electrophoresis
- Microscopy
- DNA sequencing

Specifications

- Round Flexible Fused Silica Capillary Tubing
- Internal diameters ranging from 10um to 317um
- With or without external coating
- Polyimide or UV-Vis translucent external coating
- Neutral hydrophilic internal coating available
- Cleaved and with detection window

Square Quartz Capillaries



Models

- Ask for information

Applications

- Capillary electrophoresis
- Microscopy
- DNA sequencing

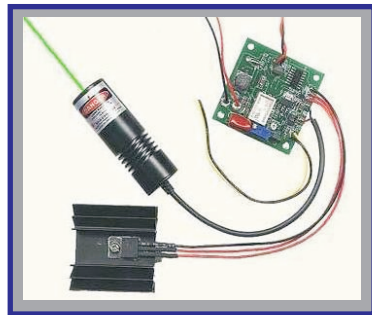
Specifications

- Square Flexible Fused Silica Capillary Tubing
- Polyimide external coating
- Internal cavity: 75um x 75um or 100um x 100um
- External dimensions: 375um x 375um
- Neutral hydrophilic internal coating
- Cleaved and with detection window

Circuits for Diode LASERs and LEDs

Models

- Ask for information



Applications

- Diode LASERs power supply

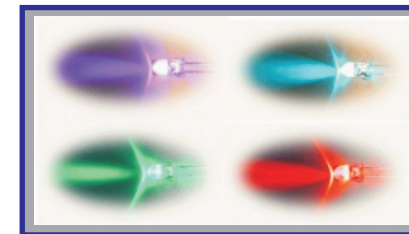
Specifications

- Compact and robust circuits
- Available with constant or adjustable current
- Pulsatile or continuous mode

Monocromatic LEDs

Models

- Ask for information



Applications

- Measurements
- Instrumentation
- Optical detectors

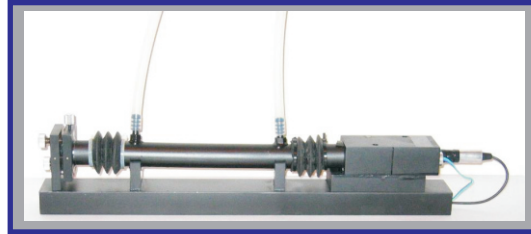
Specifications

- Available in PMMA or glass
- Wavelengths: 275nm to 800nm
- External diameter: 5mm
- Emission power: 2mW to 20mW

Ozone (O3) Detector

Model

- Oz0.01-1



Applications

- Line ozone detection
- Hospital ozone detection
- Sterelization ozone detection
- Laboratory ozone detection

Specifications

- Provides measures from 0,01% (V/V) to 1% (V/V) with 1s resolution
- Remote aquisition through DC output
- UV lamps with 2000hs warranty
- Remote operation through PC via specific software
- Dimensions: 9cm x 12cm x 42cm

Microplate Reader

Model

- ISB100



Applications

- ELISA
- Microplates spectrophotometer

Specifications

- Microplate reader coupled in a PC cabinet
- Exclusive software (ISB100)
- Measures sequentially the absorbance through the 96 wells using a reference beam
- Supported plates: ANSI/SBS 1-2004, ANSI/SBS 2-2004, ANSI/SBS 3-2004, ANSI/SBS 4-2004
- Light source sockets ranging from 334nm to 1100nm

Respirometer

Models

- ISB-RespX (X = 1 to 7 samples)



Applications

- Material biodegradability tests
- CO₂ emission or absorption rates
- Experiments with little insects and plants
- Microbiologic assays

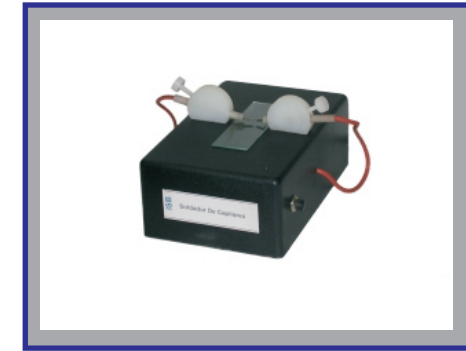
Specifications

- Constant and adjustable air flux
- Adjustable temperature (ambient to 80°C)
- Fully automated
- PC controlling via specific software
- Measures the time-dependent CO₂ absorption or emission
- Calculates the absorbed or liberated carbon mass
- Capacity for a blank, a standard and 7 triplicate samples

Capillary Welder

Model

- SC1



Applications

- Capillary fusion through welding
- Optic fiber fusion through welding

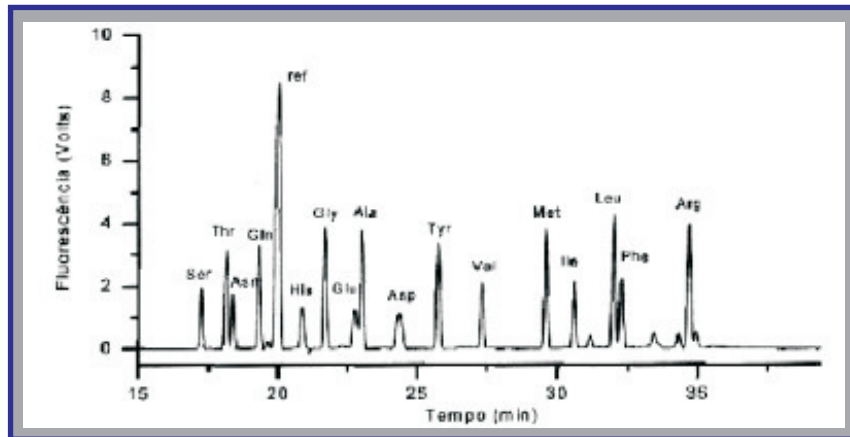
Specifications

- Automatic bivolt conversion
- Compact
- Easy handling
- Supports capillaries with external diameters ranging from 100µm to 700µm

Services

- Amino Acid Analysis
- Proline and Hydroxiproline Analysis
- Protein Hydrolysis and Aminograms
- Total Carbohydrates (Dubois)
- Total Protein (Kjeldahl)
- Food and Drug Analysis

Example of a capillary electrophoresis-based aminogram



Coming soon: Human SNPs analysis

Coming Soon

- SNPs detection Kit (Clinic Prognostic);
- SNPs detection Reader;
- Microplate reader for Luminescence Assay.