

A COMPLETE RANGE OF COMBUSTION FLUE GAS ANALYZERS



BOSTON **HD**

TEST ON GAS PIPELINE



BOSTON 046

WARRANTY 4 YEARS

BOSTON HD

FLUE GAS ANALYZER

- Replaceable sensor cartridge by end user
- Rechargeable Lithium battery
- 150 mm flue gas probe with 1,5m cable
- Condensation container with aluminium radiator
- Air combustion probe
- Chimney pressure/vacuum kit measure
- Rechargeable BST337 printer
- Power supplier /battery charger
- Calibration report
- USB Interface cable
- 500 analysis memories
- Analysis and Customers Management software
- Suitcase



IN ACCORDANCE WITH STANDARDS: CEI EN 50379-1 / CEI EN 50379-2 / UNI 10389-1 / UNI 10845 / UNI 7129 / UNI 11137-1 / Arranged for SOLID FUELS

TECHNICAL SPECIFICATIONS

REAL VALUES	RANGE
Room temperature Pt 100	-20° ÷ 150°C
Fume temperature	0 ÷ 1.000 °C
O ₂	0 ÷ 21,0 % v/v
CO	0 ÷ 4.000 ppm
CO Ambient (on demand)	0 ÷ 300 ppm
CO Solid combustion (BST510, BST511, 514)	0 ÷ 20.000 ppm
NO (BST210, 211, 214)	0 ÷ 1.000 ppm
NO ₂ (on demand)	0 ÷ 100 ppm
SO ₂ (BST310, 311, 314)	0 ÷ 1.000 ppm
Vacuum / Pressure UNI 10845 Ponte DMS	-100 Pa ÷ 100 Pa
Vacuum Resolution	0,1 Pa
Fume opacity	0 ÷ 9

CALCULATED VALUES	RANGE
CO ₂ - Carbon dioxide	0 ÷ 100% v/v
Performance	0 ÷ 100%
Useful performance in condensation boilers conforming to UNI 10389-1	0 ÷ 120%
Chimney loss conforming to UNI 10389-1	0 ÷ 100%
Air excess conforming to UNI 10389-1	1 ÷ 50
Dew point conforming to UNI 10389-1	0 ÷ 100°C

MODELS

CODE	DESCRIPTION
BST110	BOSTON HD O ₂ + CO flue gas probe 150mm – tube 1,5m
BST111	BOSTON HD O ₂ + CO flue gas probe 300mm – tube 3m
BST114	BOSTON HD O ₂ + CO flue gas flexible probe 300mm – tube 1,5m
BST210	BOSTON HD O ₂ + CO + NO flue gas probe 150mm – tube 1,5m
BST211	BOSTON HD O ₂ + CO + NO flue gas probe 300mm – tube 3m
BST214	BOSTON HD O ₂ + CO + NO flue gas flexible probe 300mm – tube 1,5m.
BST310	BOSTON HD O ₂ + CO + NO + SO ₂ flue gas probe 150mm – tube 1,5m
BST311	BOSTON HD O ₂ + CO + NO + SO ₂ flue gas probe 300mm – tube 3m
BST314	BOSTON HD O ₂ + CO + NO + SO ₂ flue gas flexible probe 300mm – tube 1,5m
BST410	BOSTON HD O ₂ + CO + CO amb flue gas probe 150mm – tube 1,5m
BST411	BOSTON HD O ₂ + CO + CO amb flue gas probe 300mm – tube 3m
BST414	BOSTON HD O ₂ + CO + CO amb flue gas flexible probe 300mm – tube 1,5m
BST510	BOSTON HD O ₂ + CO + CO solid flue gas probe 150mm – tube 1,5m
BST511	BOSTON HD O ₂ + CO + CO solid flue gas probe 300mm – tube 3m
BST514	BOSTON HD O ₂ + CO + CO solid flue gas flexible probe 300mm – tube 1,5m

BOSTON 046

FLUE GAS ANALYZER

- Replaceable sensor cartridge by end user
- Rechargeable Lithium battery
- 150mm flue gas probe with 1,5m cable
- 300mm flue gas probe with 3m cable (only BST046NS version)
- Condensation container
- Air combustion probe
- BST338 printer
- Power supplier instrument charger
- Calibration report
- USB Interface cable
- 500 analysis memories
- Suitcase



IN ACCORDANCE WITH STANDARDS: CEI EN 50379-1 / CEI EN 50379-2 / UNI 10389-1 / UNI 10845 / Arranged for SOLID FUELS

TECHNICAL SPECIFICATIONS

REAL VALUES	RANGE
Room temperature Pt100	-20° ÷ 150°C
Fume temperature	0 ÷ 1.000 °C
O ₂	0 ÷ 21,0 % v/v
CO	0 ÷ 2.000 ppm
CO - Solid combustion (BST046NS)	0 ÷ 20.000 ppm
NO (BST046N)	0 ÷ 1.000 ppm
Vacuum / Pressure UNI 10845 Ponte DMS	-100 Pa ÷ 100 Pa
Vacuum Resolution	0,1 Pa
Fume Opacity	0 ÷ 9

CALCULATED VALUES	RANGE
CO ₂ - Carbon dioxide	0 ÷ 100% v/v
Performance	0 ÷ 100%
Useful performance in condensation boilers conforming to UNI 10389-1	0 ÷ 120%
Chimney loss conforming to UNI 10389-1	0 ÷ 100%
Air excess conforming to UNI 10389-1	1 ÷ 50
Dew point conforming to UNI 10389-1	0 ÷ 100°C

MODELS

CODE	DESCRIPTION
BST046	BOSTON046 - O ₂ +CO+BST338 printer flue gas probe 150mm – tube 1,5m
BST046N	BOSTON046 - O ₂ +CO+NO+BST338 printer flue gas probe 150mm – tube 1,5m
BST046NS	BOSTON046 - O ₂ +CO+NO+BST338 printer flue gas probe 300mm – tube 3m for solid

ACCESSORIES, SPARE PARTS AND EXPANSIONS BOSTON HD

	CODE	DESCRIPTION
	ZB090	O ₂ sensor Kit
	ZB075	CO sensor Kit
	ZB045	CO solids sensor kit
	ZB038	NO sensor kit
	BA050	Lithium battery
	FI090	Cartridge filter (10 pcs pack)
	P0144	Bacharach pump
	ZZ-S0205	Flue gas probe 300mm (3m cable)
	ZZ-S0206	Flue gas probe 750mm (3m cable)
	ZZ-S0202	Flue gas flexible probe 300mm (1,5m cable)
	EL010	CO stop electrovalve
	ZB111	Bluetooth module
	KP400	Kit for gas plant leak test

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	BA050	Lithium battery
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	P0144	Bacharach pump
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	ZZ-S0206	Flue gas probe 750mm (3m cable)
	ZZ-S0202	Flue gas flexible probe 300mm (1,5m cable)



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