

# NEW : BRIGON 505 and 505+



## Multifunctional flue gas analyser for commercial and industrial HVAC engineers

### Standard features

- **BRIGON 505:** 5-year-life CO<sub>2</sub> sensor with measuring range up to 2.000 ppm
- **BRIGON 505+:** 5-year-life CO<sub>2</sub> sensor with measuring range up to 8.000 ppm
- Four-line backlit display
- O<sub>2</sub>, CO, T<sub>f</sub>, T<sub>a</sub>, p, CO<sub>2</sub>, qA, Eta, λ
- Easy operation through rotary dial
- Direct access to fuel selection
- Pressure range +/- 160hPa
- Infrared-output to printer
- Memory for 180 tests
- Fixed price recertification and service
- EN 50379 part 1 & 2 approved

### Optional features

- NO sensor
- Bluetooth to Android
- Double channel combustion probe for simultaneous efficiency and pressure test

### Fixed Price Recertification and Service

after 12/24/36/48 months

BRIGON 505	€ 150,-
BRIGON 505+	€ 175,-

sensors included

includes one year warranty extension, complete check-up, including sensors, calibration and recertification of all measuring channels, cleaning and software update.

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## BRIGON 505 / 505+

BRIGON 505 / 505+ portable combustion analyser combines all functions required by chimney sweepers and heating engineers for commissioning, servicing or installation of boilers.

BRIGON 505 / 505+ performs combustion, pressure, temperature and CO tests, as well as calculating a wide range of combustion related parameters for different fuel types, including light oil, natural gas, LPG, pellets, etc.

The easy-to-use rotary dial gives you direct access to all measuring functions and switches between measurements within seconds.

BRIGON 505+ has a CO sensor with extended measuring range up to 8.000 ppm for all wood, pellets and oil burners.

BRIGON 505 / 505+ has TÜV approval and is certified according to EN 50379 part 1 and 2.

BRIGON Fixed Price Recertification and Service ensures not only transparent ownership costs, but offers an extended 5-year warranty for the complete analyser, if serviced annually.

### BRIGON 505 / 505+ basic set

- flue gas analyser
- combustion probe with cone
- softcase with magnet
- ambient air probe MINI
- rechargeable batteries and adapter

Item no: 5405 Basic set BRIGON 505

Item no: 5407 Basic set BRIGON 505+

€ 925,-  
€ 1.175,-

### BRIGON 505 / 505+ set in carrying case

- BRIGON 505/505+ basic set
- ambient air probe 150mm with rubber cones
- 2 pressure flexibles, 1m
- IR thermoprinter
- ABS carrying case

Item no: 5420 BRIGON 505 set in carrying case

€ 1.295,-

Item no: 5425 BRIGON 505+ set in carrying case

€ 1.495,-



All specified prices are without VAT and delivery charges

BRIGON Messtechnik GmbH  
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Powered by standard or rechargeable batteries



4-line display with back light

Removable rubber sleeve with magnet



Removable water trap: easy to empty and change particle filter

### Technical details

#### Flue gas temperature

Measuring range: 0...600 °C type K, 0...400 °C TÜV-approved acc. to EN 50379-1 und -2  
Resolution: 0,1 °C  
Accuracy:  $\leq \pm 2$  °C (up to 125 °C),  $\leq \pm 3$  °C (125 ... 250 °C),  $\leq \pm 4$  °C (over 250 °C) to,98-time  $\leq 50$ s

#### Ambient air temperature

Measuring range: 0...100 °C type K, 0...80 °C TÜV-approved acc. to EN 50379-1 und -2  
Resolution: 0,1 °C  
Accuracy:  $\leq \pm 1$  °C, to,98-time  $\leq 120$ s

#### O<sub>2</sub> concentration

Measuring range: 0...21,0 Vol%, TÜV-approved acc. to EN 50379-1 und -2  
Resolution: 0,1 Vol%  
Accuracy:  $\leq \pm 0,3$  Vol%, to,97-time  $\leq 50$ s

#### CO concentration (H<sub>2</sub> compensated) BRIGON 505

Measuring range: 0...4.000 ppm, TÜV-approved acc. to EN 50379-1 und -2 (short-time overstressing up to 10.000 ppm)  
Resolution: 1 ppm  
Accuracy:  $\leq \pm 20$  ppm up to 400 ppm,  $\leq \pm 5\%$  of reading over 400 ppm

#### CO concentration (H<sub>2</sub> compensated) BRIGON 505+

Measuring range: 0...11.500 ppm, TÜV-approved acc. to EN 50379-1 und -2 (short-time overstressing up to 20.000 ppm)  
Resolution: 1 ppm  
Accuracy:  $\leq \pm 20$  ppm (up to 400 ppm),  $\leq \pm 5\%$  of reading (401...2.000 ppm),  $\leq \pm 10\%$  of reading (over 2.000 ppm)

#### NO concentration (optional)

Measuring range: 0...600 ppm, TÜV-approved acc. to EN 50379-1 und -2  
Resolution: 1 ppm  
Accuracy:  $\leq \pm 5$  ppm (up to 100 ppm),  $\leq \pm 5\%$  of reading (over 100 ppm)

#### Pressure measurement

Measuring range: -160 mbar ... +160 mbar, TÜV-approved acc. to EN 50379-1 und -2  
Resolution: 0,01 mbar  
Accuracy:  $\leq \pm 0,02$  mbar (up to  $\pm 5$  mbar),  $\leq \pm 3\%$  of reading (over 5mbar)

#### Additional Data

Working temperature: +5 ... +40 °C  
Stocking temperature: -20 ... +50 °C  
Certification: TÜV approved according to EN 50379-1 and EN 50379-2  
Weight: 580 g  
Power: 4 x 1,5 AA standard or rechargeable batteries (included)