



BRIGON TESTORYT 3

The ideal instrument for measurements at gas heaters and oil burners

Compact and very low cost



Technical Data

Measuring of flue gas temperature		
Range:	0 °C ... + 600 °C type K	
Resolution:	0,1 °C	
Max. deviation:	≤ ± 2 °C (to 125 °C), ≤ ± 3 °C (125...250 °C), ≤ ± 4 °C (from 250 °C)	
Measuring of ambient air temperature		
Range:	0 °C ... + 100 °C type K	
Resolution:	1 °C	
Max. deviation:	≤ ± 1 °C	
Measuring of O₂-concentration		
Range:	0...21,0 Vol% O ₂	
Resolution:	0,1 Vol%	
Max. deviation:	≤ ± 0,3 Vol%	
Measuring of CO-concentration		
Range:	0...1000 ppm	
Resolution:	1 ppm	
Max. deviation:	≤ ± 30 ppm (to 100 ppm), ≤ ± 10 % of reading (from 100 ppm)	
Additional Data		
Display with 2 lines and back light, power supply with 4 AA batteries/accumulators or mains adapter, working temperature + 5 ... + 40 °C, transportation and stocking temperature - 20 ... + 50 °C.		
Warranty: measuring and display device 24 months (except wearing parts and consumables), O ₂ and CO-sensor 12 months, thermocouple 6 months.		
BRIGON Fixed Service Prices		
after 1 year use	€ 85	Includes one year warranty extension, complete maintenance, in years 2 and 4 O ₂ and CO sensor replacement, calibration certificate for all measuring channels on TÜV approved test stand, cleaning and software upgrade
after 2 years use	€ 175	
after 3 years use	€ 85	
after 4 years use	€ 175	



Item No.	BRIGON TESTORYT 3																								
	<p>BRIGON TESTORYT 3, measuring and display device incl. CO-Sensor, O₂-Sensor and infrared-interface for printer (Option)</p> <p>Instrument for the maintenance of gas heaters and oil burners</p> <table border="0"> <tr> <td>Measurements:</td> <td></td> <td>Fuels:</td> </tr> <tr> <td>Ambient air temperature</td> <td>0 °C...+100 °C</td> <td>Light oil</td> </tr> <tr> <td>Flue gas temperature</td> <td>0 °C...+600 °C</td> <td>Natural gas</td> </tr> <tr> <td>Oxygen concentration</td> <td>0 to 21,0 Vol% O₂</td> <td>Butane</td> </tr> <tr> <td>Carbon monoxide</td> <td>0 to 1000 ppm CO</td> <td>Propane</td> </tr> <tr> <td>Calculations:</td> <td></td> <td></td> </tr> <tr> <td>Carbon monoxide_{undiluted}</td> <td>Carbon dioxide CO₂</td> <td>Lambda</td> </tr> <tr> <td>Stack loss q_A</td> <td>Combustion efficiency Eta</td> <td>CO/CO₂ ratio</td> </tr> </table>	Measurements:		Fuels:	Ambient air temperature	0 °C...+100 °C	Light oil	Flue gas temperature	0 °C...+600 °C	Natural gas	Oxygen concentration	0 to 21,0 Vol% O ₂	Butane	Carbon monoxide	0 to 1000 ppm CO	Propane	Calculations:			Carbon monoxide _{undiluted}	Carbon dioxide CO ₂	Lambda	Stack loss q _A	Combustion efficiency Eta	CO/CO ₂ ratio
Measurements:		Fuels:																							
Ambient air temperature	0 °C...+100 °C	Light oil																							
Flue gas temperature	0 °C...+600 °C	Natural gas																							
Oxygen concentration	0 to 21,0 Vol% O ₂	Butane																							
Carbon monoxide	0 to 1000 ppm CO	Propane																							
Calculations:																									
Carbon monoxide _{undiluted}	Carbon dioxide CO ₂	Lambda																							
Stack loss q _A	Combustion efficiency Eta	CO/CO ₂ ratio																							
1700 export	BRIGON TESTORYT 3 complete as set incl. measuring and display device, probe with thermocouple 250 mm, connecting cable and tube, cone, protective rubber sleeve with integrated magnet, batteries																								
Item No.	BRIGON accessories and spares																								
5320	Probe with thermocouple 250 mm, connecting cable and tube 2 m																								
4455	Cone with self-locking-system 8 mm Ø																								
3324	Particle filter (Pack of 2)																								
5328	Adapter for pressure connections																								
5350	Ambient air probe, MINI																								
5351	Ambient air probe 150 mm with cable 1,5 m																								
5352	Ambient air probe 300 mm with cable 1,5 m																								
4450	Teflon-cone for ambient air probe 3 mm Ø																								
4457	Set of rubber cones 9-24 mm for ambient air probe 3 mm Ø																								
5031	BRIGON-magnet for ambient air probe 3 mm Ø																								
2980	Mains adapter																								
5724	Battery Alkali-Mn (Pack of 4)																								
5385	Battery Ni / MH (Pack of 4)																								
2986	Battery charger with timer																								
6040	Soft case with magnet																								
6045	Carrying bag for TESTORYT 3 and accessories																								
5730	BRIGON-Thermo-printer BIRD with infrared, cpl. with batteries and thermo-paper																								
5735	Thermo-paper for Thermo-printer BIRD (Pack of 5)																								
6130	BRIGON-self-sealing plastic bag for printouts (Pack of 10)																								
4295	BRIGON-lubricant oil																								
4210	BRIGON-smoke tester complete																								

BRIGON Messtechnik GmbH • Kronberger St. 11 • 63110 Rodgau • Germany
Tel. + 49 6106 8207 0 • Fax + 49 6106 8207 40 • e-mail:info@brigon.de • Internet:www.brigon.de