



## Foil Testing Set FPG 1.1 with Terminal T400

### Special Features:

- Quick, trouble-free determination of actual carbon level values in furnace atmospheres
- Simple operation meaning menu assistance described clearly in the following languages: German, English, Italian, French, Spanish, Portuguese and Czech
- Automatic and quick indication of the weight percent carbon in the furnace atmosphere, directly in %C
- Different foils can be checked simultaneously
- Automatic calibration
- Storage of data
- Accessories included

### Advantages of FPG 1.1:

- Number of foils defined by user
- Fast and reliable measurement
- New algorithm will detect mechanical vibration and compensate it
- User can choose between 5 “filter algorithms” to use foil tester in “laboratory or rough environments”
- Measurement accuracy of 0.01[mg]
- Direct announcement in %C and [mg]
- Portable analysis system
- Clear text operator guidance via display
- Foil can be weight with or without PC

### Principle of Operation:

Using the foil tester FPG 1.1 you can directly determine and indicate the C-level in furnace atmospheres by foil tests. Additional calculations reflecting the difference in weight of the foils are not necessary! The terminal display indicates each step clearly, so the instrument can be operated error free.

### Advantages of T400:

- Measurement storage in internal EEPROM
- USB interface. All measured values, including furnace name, date and time can be transferred to USB stick
- Data evaluation and processing are possible via additional software “Foil Test View” which is included
- Large display with 4 lines and 16 characters
- Documentation possible according to ISO9001

## Technical Data FPG 1.1

**Design:**  
Bench-top housing

**Dimensions:**  
200x225x395 mm (WxHxD)

**Weight:**  
10,25 kg

**Degree of Protection:**  
IP 54 to DIN 40050

**Power Supply:**  
85-264 VAC - 50-60Hz

**Power Consumption:**  
Max. 15 watt

**Measuring Accuracy:**  
0,01 [mg]

**Resolution:**  
0.001 %C

**Measuring Range:**  
90 [mg] to 120 [mg]  
0.01...1.99 %C

**Climatic Conditions:**  
10...40 °C  
5...95 % relative humidity, non-condensing

**Foil Basic C-Level Values:**  
In %C

**Readout:**  
Display with 4x16 characters

**Operation:**  
Menu-assisted via terminal

**Response Time:**  
Approx. 15 s

## Technical Data T400

**Standard Foils:**  
5

**Max. Foils:**  
30

**Max. Names:**  
40 (user and "test point names")

**Max. Storage:**  
100 measurements in EEPROM

## Accessories

Calibration weight 95mg with case	product code	100-0501
Test foil	product code	630-0202
Antistatic tweezers	product code	370-1010
Round wooden stick	product code	100-0601
Acetone container	product code	380-0010