

## Elcometer 456 Duct Deposit Measuring System



Elcometer 456 Duct Deposit Measuring System



Elcometer 456 with F1D Probe

### At a glance:

Reliable and accurate method of measuring duct deposits

Measure and control hygiene standards

Reduce fire risks

Controlling ducting deposits and monitoring their build up is essential to maintain hygiene standards and reduce fire risks in heating and ventilation systems.

The Elcometer 456 Duct Deposit Measuring System has been specifically designed to meet the requirements of the DTT (Deposit Thickness Test) in the HVCA's (Heating & Ventilation Contractor's Association) Guide to Good Practice, for the measurement of dust and grease deposits within ventilation systems and kitchen ducts made of ferrous metals.

By using the Elcometer 456 Ferrous Top Gauge with the specially designed F1D probe and duct cleaning template, readings can be taken of the deposit thickness on a specific test area, before and after cleaning.

- **Easy to use gauge:**  
Features a large display screen and on screen user instructions
- **Low cost and portable:**  
Supplied in a convenient carry case for use in the field.
- **Duct Cleaning Template:**  
For accurately marking the area to be tested ensuring that before and after readings are taken on the same test area

### Coating Thickness Gauges

Coating thickness gauges are used for the measurement of coatings on all metal surfaces.

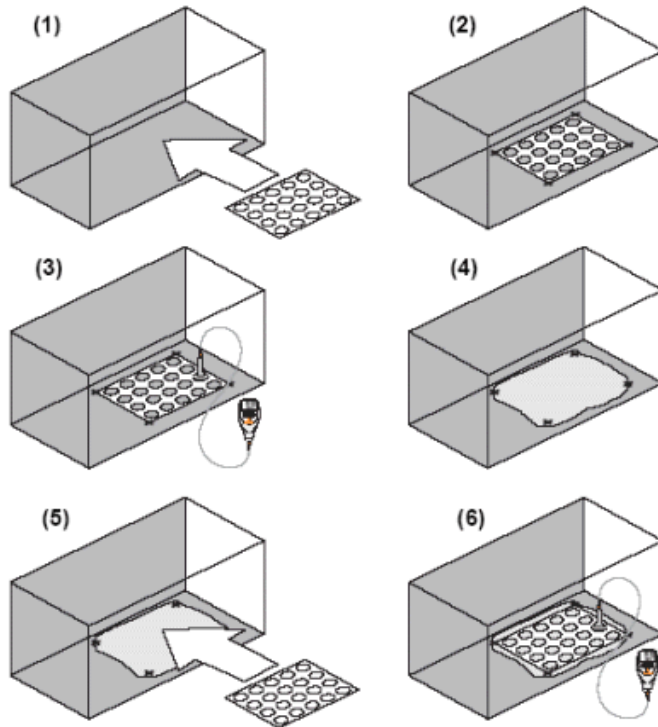
Digital coating gauges are more accurate, more repeatable and more reproducible than any other coating thickness gauges available on the market today.

Mechanical coating gauges are the ideal choice when coating thickness needs to be measured in areas where batteries cannot be used or are difficult to obtain. For example in remote locations, underwater, where dangerous gasses are present, you are looking for a basic coating thickness gauge to measure coatings on ferrous substrates.

Elcometer offer the most comprehensive range of both digital and mechanical coating thickness gauges to meet all your requirements.

## Produce Professional Reports with ElcoMaster™ Software

ElcoMaster™ software, supplied as standard with the Elcometer 456 Duct Deposit Measuring System, includes a template designed specifically for reporting duct deposit measurements.



When working to the HVCA Method for Measuring the Thickness of Deposits (Dust & Grease), 20 readings need to be taken in a specific location using the duct cleaning template. These readings are automatically saved to a batch file in the Elcometer 456 gauge.

The area is then cleaned and the duct cleaning template is replaced and a further 20 readings are taken which are again, saved to a batch file in the Elcometer 456 gauge.

Using either USB connection or *Bluetooth®*, the batch information is then saved to the PC via ElcoMaster™ Software.

Utilising the specifically designed *Duct Deposit Report Template* in ElcoMaster™, an 'instant' report is generated which clearly displays the readings before and after cleaning and calculates the differences between the readings at each of the 20 locations.

This report can be e-mailed directly from ElcoMaster™ to the client or saved for future reference.

ELCOMETER 456 TECHNICAL DATA	
Measurement Speed	Greater than 60 readings per minute
Display	STN Graphics (LCD), 128 x 64 pixels; 19.8 x 39.6mm (0.78" x 4.56")
Battery Type	2 x AAA (LR03) Rechargeable batteries can be used
Battery Life	30 – 40 hours continuous use with alkaline dry batteries. (15,000 – 20,000 readings at an average of 8 readings per minute)
Operating Temperature	0 to 50°C (32 to 120°F)
Dimensions	128 x 68 x 28mm (5.0" x 2.7" x 1.1")
Weight (incl. Dry Batteries)	130g (4.58oz)
PROBE TECHNICAL DATA	
Range	0 to 1500µm (0 to 60mils)
Accuracy	±1% to ±3% or ±2.5µm (±0.1mil)
Resolution	0.1µm in the range 0µm to 99.9µm (0.01mil in the range 0 to 4.99mils) 1µm in the range 100µm to 1500µm (0.1mil in the range 5 to 60 mils)
Packing List	Elcometer 456 Ferrous Top Separate Gauge, Ferrous F1 Duct Probe, Duct Cleaning Template, Foil Set (25, 50 & 250µm / 1, 2 & 10mils) with Zero Plate, ElcoMaster™ Software, Wrist Harness, Batteries, Carry Case and Operating Instructions
Part Number	<b>A456DUCT</b> Elcometer 456 Duct Deposit Measuring System

## Spares / Accessories

Part Number	Description
<b>T456F1D</b>	Elcometer 456 Ferrous Duct Probe, 0 to 1500µm (0 to 60mils)
<b>T99913939</b>	Duct Cleaning Template
<b>T9904905-1</b>	Foil Set (25, 50 250µm / 1, 2 & 10mils) with Zero Plate
<b>TCAL-990</b>	Calibration Certificate for Foils
<b>T99913969</b>	Ferrous Zero Plate
<b>T99920130</b>	USB <i>Bluetooth®</i> Transmitter / Receiver
<b>T99916716</b>	RS232 PC Cable

## Related Products



Elcometer Wet Film Combs

**Elcometer 112, 115 & 154:**  
Typically used for measuring paint film thickness, these wet film combs can also be used as a quick check for measuring the amount of liquid grease and thick oils films in ventilation ducts.

### ENGLAND

Elcometer Ltd  
Edge Lane  
Manchester M43 6BU

Tel: +44 (0)161 371 6000  
Fax: +44 (0)161 371 6010  
e-mail: sales@elcometer.com  
www.elcometer.com

### USA

Elcometer Inc  
1893 Rochester Industrial Drive  
Rochester Hills Michigan 48309

Tel: +1 248 650 0500  
Toll Free: 800 521 0635  
Fax: +1 248 650 0501  
e-mail: inc@elcometer.com  
www.elcometer.com

### CANADA

Elcometer Ltd  
PO Box 622, 401 Ouelette Avenue  
Windsor, Ontario N9A 6N4

Tel: +1 248 650 0500  
Toll Free: 800 521 0635  
Fax: +1 248 650 0501  
e-mail: ca\_info@elcometer.com  
www.elcometer.com

### ASIA & THE FAR EAST

Elcometer (Asia) Pte Ltd  
896 Dunearn Rd  
Sime Darby Centre #3-09  
Singapore 589472,  
Republic of Singapore

Tel: +65 6462 2822  
Fax: +65 6462 2860  
e-mail: asia@elcometer.com  
www.elcometer.com

### BELGIUM

Elcometer SA  
Rue Vallée 13  
B-4681 Hermalle /s Argenteau

Tel: +32 (0)4 379 96 10  
Fax: +32 (0)4 374 06 03  
e-mail: be\_info@elcometer.be  
www.elcometer.be

### FRANCE

Elcometer Sarl  
97 Route de Chécy  
45430 BOU

Tel: +33 (0)2 38 86 33 44  
Fax: +33 (0)2 38 91 37 66  
e-mail: fr\_info@elcometer.fr  
www.elcometer.fr

### GERMANY

Elcometer Instruments GmbH  
Ulmer Strasse 68  
D-73431 Aalen

Tel: +49 (0)7361 52806 0  
Fax: +49 (0)7361 52806 77  
e-mail: de\_info@elcometer.de  
www.elcometer.de