

## **DX250 Digital Smokemeter**

### **SETTING UP SMOKEMETER**

Connect mains supply and switch on  
Select smoke program and wait for unit to warm-up  
Connect correct sample probe for exhaust pipe of vehicle

### **PREPARE VEHICLE FOR TEST**

Check the engine oil level and correct if necessary  
Ensure the engine has been maintained properly and if possible, inspect the cambelt for damage or contamination  
Check the action of the governor and make certain that the engine does not over-rev.  
Warm up engine to normal operating temperature, preferably by driving the vehicle

### **MOT TEST**

Load smart card with vehicle details and insert into card reader (if available).  
Select MOT type and engine type as appropriate  
Follow instructions on the screen which will guide each step of the procedure  
Fit the oil temperature probe and tachometer with the engine stationary  
Insert the smoke sample pipe into the exhaust when the screen shows PIPE  
Open the throttle smoothly and rapidly to full fuel position and return throttle to normal idle position following the on screen prompts.  
When PIPE is displayed again, switch off engine and remove the smoke sample pipe

### **PRINTING**

Once the test is complete a window will appear, press F5 to start printing  
Further reports can be printed using F8

### **SWITCHING OFF**

Close the program by holding down the Alt key and pressing F4  
Shut down the Windows<sup>®</sup> program correctly to avoid filling the hard disk with files.

### **WARNINGS**

Beware of: Burns from exhaust system, engine cooling system and sample pipes  
Physical injury from moving parts – drive belts and cooling fans  
Ensure the vehicle is in Neutral (Park) with handbrake on before starting test  
Exhaust gas and smoke, use exhaust extraction or work outside