

DX211 & DX211BT Digital Smokemeter

SETTING UP SMOKEMETER

Connect mains supply and switch on
Wait for unit to warm-up
Connect correct sample probe for exhaust pipe of vehicle
Ensure wireless smokehead is fully charged (DX211BT only)

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 cam belt 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 instructed by the screen
Open the throttle smoothly and rapidly to full fuel position and return throttle to normal idle position following the on screen prompts.
When instructed to remove sample probe, switch off engine and then remove the smoke sample pipe

PRINTING

Once the test is complete, select the PRINT icon to start printing.
Further reports can be printed using this same icon.

SWITCHING OFF

Close the program by selecting the EXIT DOOR icon.
Shut down the Windows® 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