



The Standards of Flow
Chart of 6Mode Emission
Testing Device
(Mexa-1500L, Mexa-1120 TFI)

KES T – C710

(EST.) 1988 – 04 – 15

Contents

1. Purpose
2. Scope of Application
3. Flow Chart
4. Notice



1. Purpose

This standard specifies the flow chart when measuring CO, NO by NDIR and THC by FID on 6Mode Emission Test of diesel engine.

2. Scope of Application

This standard is applied to diesel engine's 6 mode emission test.

3. Flow Chart

Refer attached table 1).

4. Matters of Notice

4.1 Before using testing device, it's mandatory to read these standards

- (1) KES T-C706 (Operational manual of Mexa-1500L)
- (2) KES T-C707 (Principle and usage of AIA-23/AIA-23<AS> analyzer)
- (3) KES T-C708 (Operational manual of analyzer operating device
OPE-114,116,117)

(4) KES T-C709 (Operational manual of Mexa-1120TFI)

(5) KES T-C701 (6Mode emission test)

4.2 When problems occur during operations, correct them with reference of 4.1 If problems insist, discuss with equipment staff or technician of charge.

4.3 If people who are not in charge of the device use it, they should get permission from equipment staff or technician of charge beforehand.

Quoted : KES T-C701 (6Mode emission test)

KES T-C706 (Operational manual of Mexa-1500L)

KES T-C707 (Principle and usage of AIA-23 / AIA-23 <AS> analyzer)

KES T-C708 (Operational manual of analyzer operating device OPE-114,116,117)

KES T-C709 (Operational manual of Mexa-1120TFI)

Diesel emission gas 6-mode testing device operation flow chart.
(Mexa-1500L, Mexa-1120 TFI)

Order	Item	Contents		Standards and Reference
		Mexa-1500L	Mexa-1120 TFI	
1	Plumbing	1) Connection of black gas bombe (CO, NO span gas and N ₂ O gas) with main body : use Teflon tube 2) With sampling hose, connect one end to main body, the other end to sampling probe 3) Exhaust pipe connection: Ventilate the exhaust gas from Main body through hose.	1) Connect black gas bombe (Zero gas and C ₃ H ₈ Span gas) and main body 2) Connect fuel gas bombe and fuel entry of testing device 3) Connect air gas bombe and air entry of testing device 4) Connect sample hose : one end to main body, the other to sampling side 5) Connect exhaust pipe	Refer (1,4)
2	Wiring	1) Connect 100V AC (50/60Hz) 2) Connect record and remote control	1) Connect 100V AC(50/60Hz) to the testing device 2) Connect Hot Hose Power line 3) Connect recorder and remote control	Refer (1,4)