

Brief Introduction:

FHE-1 is a hand-held equipment designed for 2M bit error rate test, applicable to telecommunication access networks, transmission networks and the start-up, check and maintenance of optical communication systems.

Main Features:

- Hand-held structure, solid design, especially suitable for the fieldwork
- LCD display with backlight, menu operation
- Powered by and integrated with smart fast charging circuit inside.
- Data storage capacity up to 90 sets
- Test results and real-time clock could be maintained safely with a standby Ni-MH rechargeable battery
- LED alarm and status indicator
- Clock Source: internal, received
- 75 ohm and 120 ohm interfaces available

Main Features:

- Out of service test/in-service test
- Framed/unframed test
- 2Mb/s, N*64Kb/s BER test
- Timeslot voice monitoring
- Error insertion: Single & Fixed rate
- Error bit test, time-slot test, signal analysis, protocol test
- Measurement results can be printed via external serial port printer



Technological Specifications:

Item	Description
Bit rate	2084Kb/s $\pm$ 50ppm
Interface	75ohm unbalanced, input impedance>2000ohm
Input sensitivity	0~ -43dB
Circuitry code	HDB3
Frame type	Framed/unframed
Frame pattern	PCM30, PCM30CRC, PCM31, PCM31CRC
Test pattern	Random pseudocode: 2 ¹⁵ -1, 2 ¹¹ -1 Fixed code: 1111,0000, 1010
Alarm indicator	Signal Loss, AIS, Frame Loss, MF Remote Alarm, CRC Error, Pattern LOSS, Remote Alarm
Error insertion	Single error insertion Fixed rate error insertion: 10E-3, 10E-6
Serial interface	RS-232C, USB
Rechargeable batteries	6*1.2V AA Ni-MH rechargeable batteries, for 8-hour continuous test, Built-in smart fast charger, 4.5 charging hours
Power supply	AC/DC adapter, 6*1.2V Ni-MH rechargeable batteries
Dimensions	215mm*100mm*50mm(L*W*H)
Weight	700g

Ordering Information:

Standard Items	Quantity	Standard Items	Quantity
FHE-1 main unit	1pc	AC/DC Adaptor	1pc
75Ω unbalance test cable	2pcs	120Ω balanced test cable	2pcs
Ni-MH rechargeable battery	6pcs	Carrying Bag	1pc
Manual	1pc	Test report & Warranty Card	1pc
Serial cable	1pc	PC transmission & management software	1pc

Standard Items	Quantity	Standard Items	Quantity
Cigarette lighter cable		Serial printer	