

Quality&Precise



# MAXWELLON TF1300

40km/ 60km/ 80km  
Optical Cable Identifier  
2025



**Maxwellon**

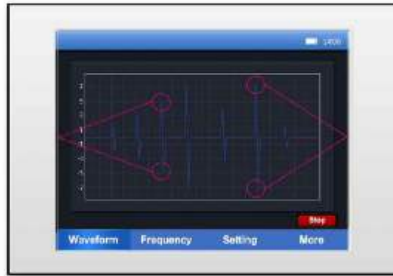
The optical cable identifier detects and locates cables in tunnels, pipelines, and overhead installations by converting vibration signals into visual and audio feedback. Unlike traditional methods requiring cutting or bending, it simplifies identification with a non-intrusive tapping technique.

## ■ Key Feature

- Automatic parameter adjustment
- Cable identifier, one shot detects all
- Audio visual signal output
- World's highest signal sensitivity
- Strong environmental adaptability



**Strong environmental adaptability**

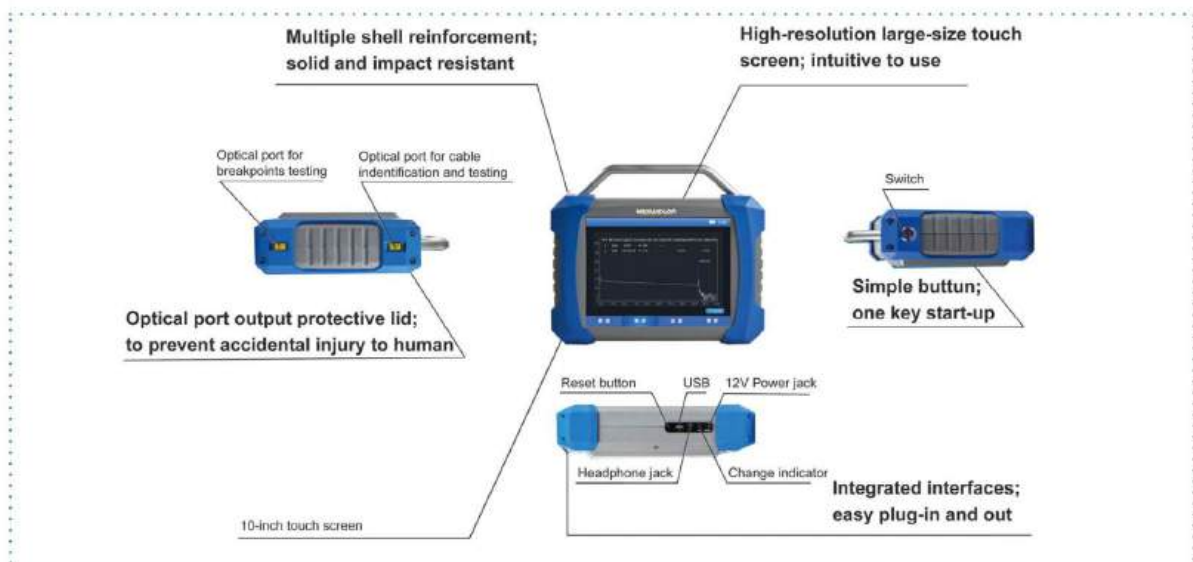


**Audio visual signal output**



**High-precision human assisted options**

## ■ Interface



## ■ Specification

| Item                   |                            | TF1300A                                                       | TF1300B | TF1300C |
|------------------------|----------------------------|---------------------------------------------------------------|---------|---------|
| Optics                 |                            |                                                               |         |         |
| Detection mode         |                            | Single fiber detection ( unnecessary for looping back)        |         |         |
| Wavelength             |                            | 1550nm                                                        |         |         |
| Optical interface      |                            | SC/APC                                                        |         |         |
| Max detection distance |                            | 40km                                                          | 60km    | 80km    |
| Electric               |                            |                                                               |         |         |
| Display                |                            | 10-inch industrial-grade touch LCD                            |         |         |
| Result output mode     | Real-time waveform display | Support                                                       | Support | Support |
|                        | Waveform voice prompt      | Support                                                       | Support | Support |
|                        | APP dispaly                | Support                                                       | Support | Support |
| Battery                |                            | 11.1V, 6400mAh, srandby time≥ 24 h, Continuous working ≥ 10 h |         |         |
| Power Supply           |                            | DC 15V/4A                                                     |         |         |
| Machinery              |                            |                                                               |         |         |
| Volume (H×W×L)         |                            | 85×270×32mm                                                   |         |         |
| Weight                 |                            | ≤2.7kg                                                        |         |         |
| Environment            |                            |                                                               |         |         |
| Operating temperature  |                            | -10 - 50℃                                                     |         |         |
| Storage temperature    |                            | -20 - 70℃                                                     |         |         |
| Best storage condition |                            | keep out of the sun, normal temperature, dry                  |         |         |

## ■ Ordering Information

| Model    | Product Name             | Description                                                               |
|----------|--------------------------|---------------------------------------------------------------------------|
| TF-1300A | Optical Cable Identifier | 40km; 1550nm; SC/APC; With Optical Cable Identifier Function; Basic Model |
| TF-1300B | Optical Cable Identifier | 60km; 1550nm; SC/APC; With Optical Cable Identifier Function; Basic Model |
| TF-1300C | Optical Cable Identifier | 80km; 1550nm; SC/APC; With Optical Cable Identifier Function; Basic Model |

## ■ Standard Package

| Part Name                       | Part No. | Qty |
|---------------------------------|----------|-----|
| Optical Cable Identifier        | TF1300   | 1pc |
| Hi-Fi stereo headphone          | HF-02    | 1pc |
| Touch handwriting pen           | SMF-30   | 1pc |
| AC adapter                      | AV-12    | 1pc |
| Fiber pigtails(SC/APC - FC/UPC) | FC-01    | 1pc |
| Carrying case                   | CS-20    | 1pc |
| Percussion stick                | PS-01    | 1pc |



Optical Cable Identifier  
TF1300



Carrying case  
CS-20



Hi-Fi stereo headphone  
HI-02



AC adapter  
AC-12V



Fiber pigtails  
FC-01



Percussion stick  
PS-01



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