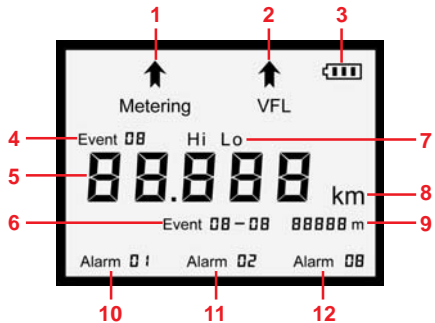
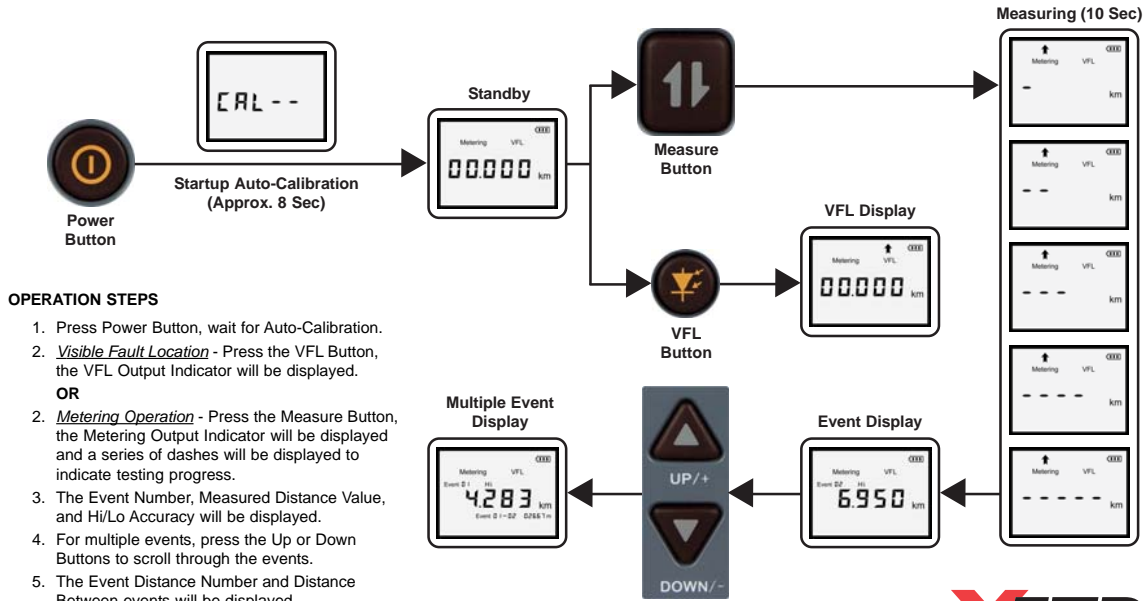


Main Display Screen



- | | |
|-----------------------------|---------------------------|
| 1 Metering Output Indicator | 7 Hi/Lo Accuracy |
| 2 VFL Output Indicator | 8 Distance Units |
| 3 Battery Power Indicator | 9 Distance Between Events |
| 4 Event Number | 10 Alarm 01 |
| 5 Measured Distance Value | 11 Alarm 02 |
| 6 Event Distance Number | 12 Alarm ## |

TFS-1020 Optical Fault Finder Operation Diagram



OPERATION STEPS

1. Press Power Button, wait for Auto-Calibration.
 2. Visible Fault Location - Press the VFL Button, the VFL Output Indicator will be displayed.
- OR**
2. Metering Operation - Press the Measure Button, the Metering Output Indicator will be displayed and a series of dashes will be displayed to indicate testing progress.
 3. The Event Number, Measured Distance Value, and Hi/Lo Accuracy will be displayed.
 4. For multiple events, press the Up or Down Buttons to scroll through the events.
 5. The Event Distance Number and Distance Between events will be displayed.

TFS-1020 Optical Fault Finder Troubleshooting Guide

Sound	Display	Condition & Troubleshooting
1 Short BEEP	N/A	Power Off
2 Short BEEPs	N/A	Power On - After the Self-Calibration Routine is Complete
1 Long BEEP	Alarm 01	Spurious Signal Judgment - Press the Down button to find the correct distance.
2 Long BEEPs	Alarm 02	Loose or Dirty Optical Connection – Check or clean the optical connector. Improper Optical Adapter – Check, clean or replace the adapter.
N/A	No Display at Startup	Patch Cable Connected on Startup – Disconnect one end of the patch cable and restart the unit by pressing the Power button. Initialization Error – Restart the unit by pressing the Power button.
N/A	Unit only displays 0 km	Measurement < 20 Meters – Less than 20 meters measured if all connections are perfect. Signal Inside Measured Cable – There is an active signal inside the measured fiber optic cable, disconnect the unit and turn off signal before reconnecting the cable to the unit.
Consecutive Long BEEP	Battery Indicator Flashes	Low Battery Warning – Replace the battery.



Conversion Table							
Meter	Km	Inch	Feet	Yard	Mile		
1	0.001	39.37	3.28	1.093	0.00062		
1000	1	39370	3260.8	1093.61	0.62137		
0.0254	0.00003	1	0.0833	0.02778	0.00002		
0.3048	0.00031	12	1	0.33333	0.00019		
0.9914	0.00091	36	3	1	0.00057		
1609.35	1.60935	63360	5280	1760	1		