

INLINE CERTIFIER (Enhanced & Probe)

KEY FEATURES

- Compact, small and rugged
- Easy and fast operation
- ONT/ONU presence detection with vibration
- Support G-PON / E-PON / XGS-PON / NG-PON
- Self-checking function
- Detecting without service disruption (for Probe only)
- Clear visibility by OLED display

APPLICATIONS

- Clean up FTTH drop cables
- Optimization of FTTH infrastructures

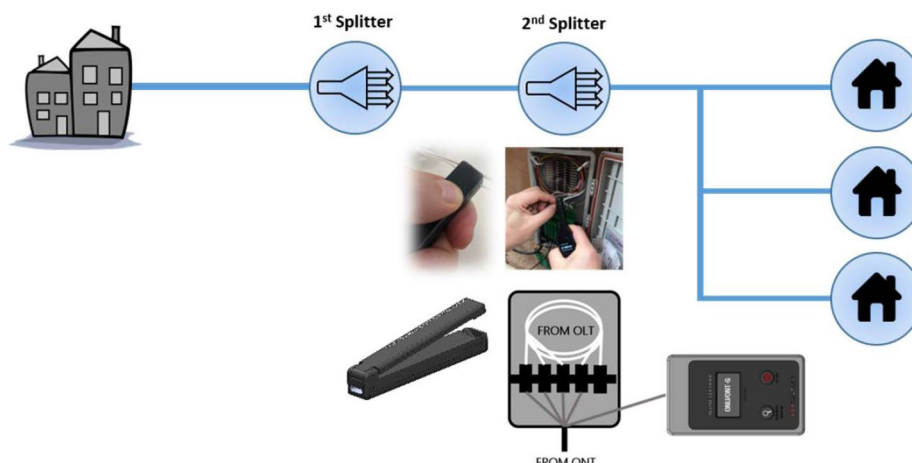


One of the daily tasks of FTTH service provider is service subscription or termination work. In case of new subscription, typically field engineer is using drop cable (G.657) and connect it between last optical splitter and modem (ONU/ONT) into customer place. When service is terminated, typically field engineer is retrieving a modem from customer place but there is no action to remove or retrieve installed drop cable. Therefore, it is still remaining and connected with last optical splitter. As a result of this, Operator need to invest additional cost for install FTTH optical fiber infrastructure although there is still available port for FTTH service to customer and this is caused by limitation to find out no-service optical drop cable.

INLINE CERTIFIER is most unique and accurate field test tool kit for find out ONU or ONT on the fiber. It is simply detecting and evaluating the end situation of the optical drop cable on FTTH whether ONU/ONT is connected (included power off status) or not.

INLINE CERTIFIER is only requiring to connecting the connector of one side of drop cable which is side of optical splitter. Just one touch on the button is give a fast starting for evaluation as well as quickly evaluation results are displayed on the screen and vibration at the same time. If end of drop cable is present ONT/ONU, 1s periodic vibration is happened. If no ONT/ONU, it will continue vibration. ICM is support to detect G-PON, E-PON, NG-PON and XGS-PON device

INLINE CERTIFIER is the best solution to find out no-service optical drop cable in the field and maximize FTTH service capability.



General Specification

PARAMETERS	SPECIFICATION		NOTE
	ENHANCED	PROBE	
Dimension(mm)	140 x 75 x 26	90 x 15 x 15	Exclusive silicon bumper
Weight(g)	200	50	
Operational Temp (°C)	-10 to 50		
Storage Temp (°C)	-20 to 75		

Technical Specifications

PARAMETERS	SPECIFICATION		NOTE
	ENHANCED	PROBE(1)(2)	
Fiber Type	9/125um Single-mode	900um to 2mm	
Type of Connector	SC/APC		
Operating Wavelengths(nm)	Multiple Wavelengths		
Detection Range(dBm)	-10 to -50	-10 to -30	
Detection Accuracy(dB)	±1.0		
Testing time(s)	3s	3s	
Displayed Result	No ONU/ONT ONU/ONT-G or E or XGS	In Service Out of Service	Support GPON, EPON, XGPON
Result Indication	Display & Vibration		No out: Continue ONT: 1s Periodic
Battery	Lithium Polymer		KC Certified
Battery Operating	Continuous operation > 8 hours Standby 40 hours	Continuous operation > 10 hours Standby 40 hours	
Charging Port	USB-C Type		

Note (1) Optional bidirectional optical power meter support

Note (2) Probe requires Enhanced version for operation

Ordering Information

PART#	DESCRIPTIONS	NOTE
ICE-01	INLINE CERTIFIER ENHANCED SC/APC Package	
ICE-02	INLINE CERTIFIER ENHANCED SC/PC Package	
ICB-01	INLINE CERTIFIER PROBE without Power Meter Function	Requires Inline Certifier Enhanced
ICB-02	INLINE CERTIFIER PROBE with Power Meter Function	