

● IN LINE CERTIFIER

OPTIMIZATION YOUR FTTH !!!



ONE OF THE BEST SOLUTION TO FIND NON-SERVICE OPTICAL DROP CABLE OUT

INLINE CERTIFIER OVERVIEW

There are frequently happened work for FTTH service subscription or termination
When newly open the service, 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 by customer, typically field engineer is retrieving a modem from customer place but there is no action to retrieve installed drop cable and 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 are 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 one of the best solution to find out no-service optical drop cable in the field and maximize FTTH service capability

KEY FEATURES OF INLINE CERTIFIER

INLINE CERTIFIER ENHANCED

- Compact, Lightweight and Easy operation
- G-PON, E-PON, XGS-PON detection
- High accuracy (detected @ modem power off)
- Measuring time approx. 3 seconds
- Connector connection method (service interruption)
- Identify active or not via Probe without service interruption (optional probe)
- Size(mm) : 140 x 75 x 26
- Weight(g) : 200

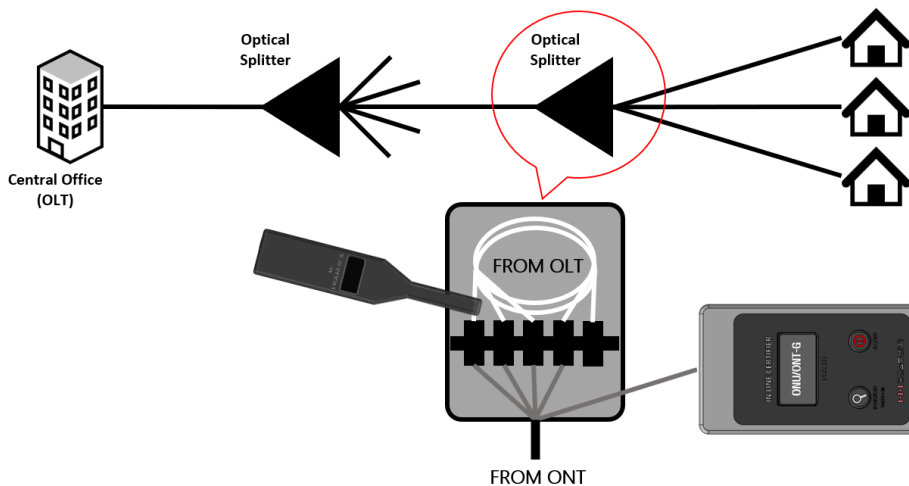


INLINE CERTIFIER B

- Compact, Lightweight and Easy operation
- G-PON, E-PON, XGS-PON detection
- High accuracy (except @ modem power off)
- Measuring time approx. 3 seconds
- Cable bending measurement method (No interruption)
- Bi-directional power measurement
- Size(mm) : 147 x 30 x 29
- Weight(g) : 150



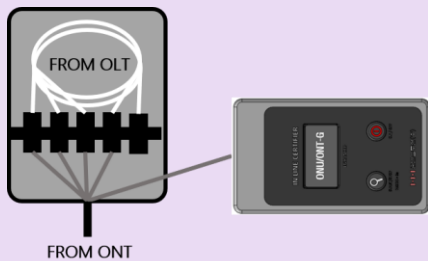
APPLICATION OF INLINE CERTIFIER



OPERATION OF INLINE CERTIFIER

INLINE CERTIFIER ENHANCED

- Unplugged drop cable connector from Splitter
- Connect drop cable connector to input of INLINE CERTIFIER
- Press START button and starting measurement
- Display measurement result by “No ONU/ONT or ONU/ONT-G or ONU/ONT-XG with vibration



DETECTION RESULT



Ready Status



No ONT/ONU Result



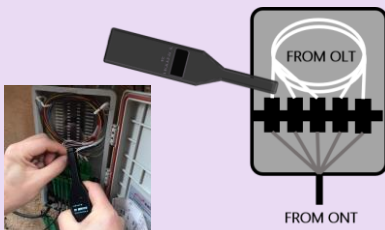
Detect G-PON



Detect XGS-PON

INLINE CERTIFIER B version

- Identify each splitter output fiber line into drop enclosure
- Insert one splitter output fiber into bend head of INLINE CERTIFIER B
- Starting measurement without service interruption
- Result is displayed whether IN SERVICE or NO SERVICE with vibration
- At the same time, displayed bi-directional optical power level



DETECTION RESULT



In case of in-service line

- Displayed "IN SERVICE"
- Vibration (Conti)
- Optical power level



In case of no-service line

- Displayed "NO SERVICE"
- Vibration (1sec periodic)
- Optical power level

INLINE CERTIFIER ENHANCED vs. B version

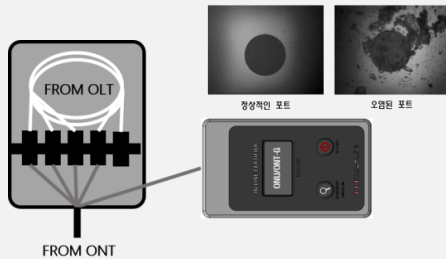
INLINE CERTIFIER ENHANCED

ADVANTAGE

- Detect @modem power on and off status
- Stable detection result
- Detect service line by PROBE option without service interruption

DIS-ADVANTAGE

- Service interruption @ unplugged connector(PORT Mode)
- Impact to detection result by contamination of end face ferrule – need cleaning tool before testing



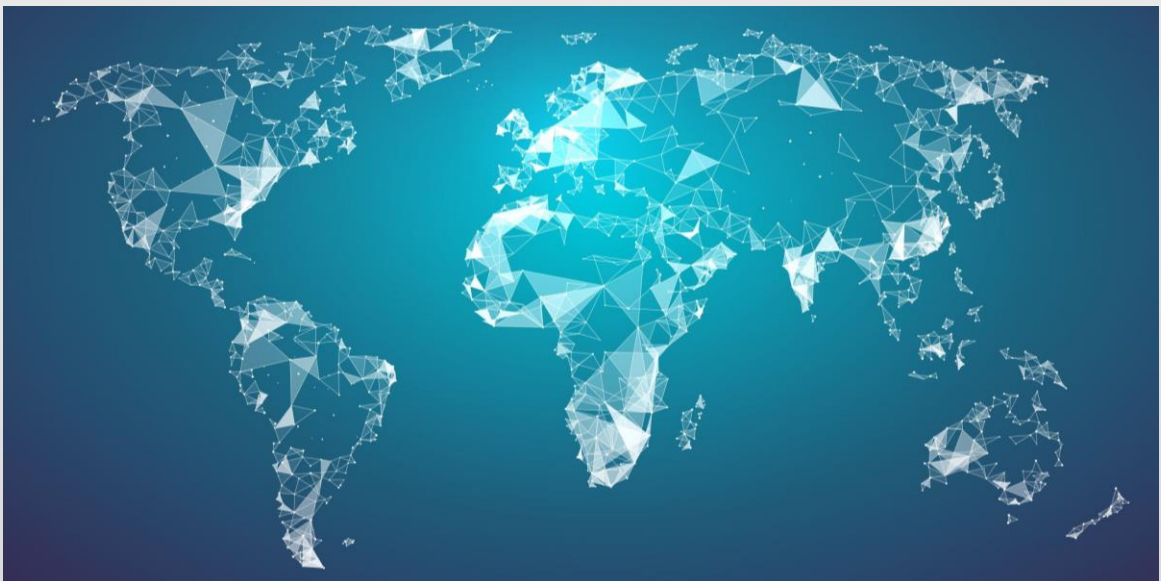
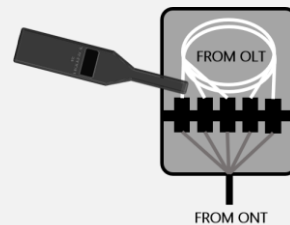
INLINE CERTIFIER B version

ADVANTAGE

- Measurement without service interruption
- Only detect @ Modem power On
- Stable measurement result
- Up/Down link optical power measurement(option)

DIS-ADVANTAGE

- Only detect @ Modem power On



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