ODM
®

A **RIPLEY®** BRAND

TTK 720

Fiber Optic Test Kit

Inspection, OPM Testing, and VFL

The TTK 720 kit provides test technicians and contractors with an all-in-one solution to their fiber optic testing needs. Built around the robust functionality of the VIS 300C-PM-02 platform, this kit ensures that fiber optic test results can be gathered and reported using simple, efficient processes.
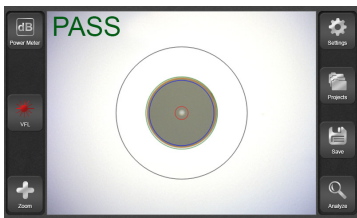
The VIS 300C-PM-02-V is an inspection and test platform with on-board Optical Power Meter (OPM) and Visual Fault Locator (VFL). All functions of the VIS 300C platform are controlled via the 5-inch touchscreen and ODM's proprietary inSpec® software. Using this system, users can save test results, create closeout reports in the field, and send results wirelessly with a Wi-Fi connection.

The TTK 720 kit is designed for the most common fiber architectures found in the wireless telecom industry. The high-definition inspection scope provides automated analysis of fiber endfaces to ensure fiber connections are clean and ready for connection. The insertion (dB) loss system for single-mode loopback configurations allows users to gather test results and create simple reports for closeouts.
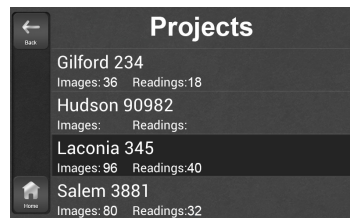
Features

- Automated image centering and analysis compliant with IEC 61300-3-35 standards
- On-board OPM with various standard calibrated wavelengths
- 635 nm red laser VFL for troubleshooting and continuity testing

- Expansive storage space for up to 25,000 project folders, images, and power meter readings
- Instant report creation with user-defined parameters
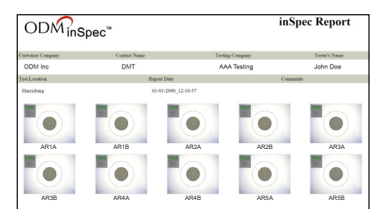- All included accessories are focused on testing for wireless industry

Obtain color-coded PASS/FAIL results at the touch of a button and easily configure IEC profiles for inspection of many different fiber types.

On-board OPM and VFL provide additional testing options for technicians looking for an all-in-one fiber testing solution.

Quickly customize and export project folders containing thousands of fiber images and OPM measurements.

Create closeout reports & share via WiFi. All reports are condensed into small files to maximize storage and simplify file sharing.

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Specifications

MONITOR / SYSTEM	
Screen	5" Multi-Touch LCD
Storage	16 GB (30,000 Images)
Battery	Lithium Ion
Battery Life	4 to 5 Hours Continuous
Battery Charge Time	2 Hours
Dimensions	5.5" x 5.75" x 2.25"
Weight	1.8 lb
Operating Temperature	0° to 50° C
Storage Temperature	-40° to 70° C

VISUAL FAULT LOCATOR	
Wavelength	635 nm
Output Power	1 mW - FDA 2 / IEC 2
Power Toggle	On-Screen Button

DUAL SINGLEMODE LASER SOURCE	
Wavelength	1310nm & 1550nm
Output Power	-5.0 dBm
Output Stability	±0.05dB (1 Hour) ±0.03dB Long-Term (15 min warm-up)
Spectral Width	5nm / 5nm
Optical Interface	SC/FC/ST/LC Interchangeable
Tone Output	2 kHz
Laser Class	Class 1 (FDA 21 CFR 1040.11)
Power	Push Button Toggle / Auto-OFF
Battery	CR2
Operating Temperature	-10° to +50° C
Storage Temperature	-30° to +60° C
Dimensions	6.1" x 0.94" x 0.75" (15.5 x 2.38 x 1.9 cm)
Weight	3 oz (85.4 g)

INSPECTION SCOPE PROBE	
FOV (Field of View)	860µm x 640 µm
Resolution	< 1 Micron
Lighting Technique	Coaxial
Size	7" x 1" x 0.75"
Weight	0.35 lb
Connector	USB 2.0 Type A
Tip Style	Interchangeable

POWER METER	
Wavelength Range	850 nm to 1625 nm
Calibrated Wavelengths	850 / 1300 / 1310 / 1490 / 1550 / 1611 / 1625
Measurement Range	**-02:** +6 to -70 dBm **-04:** +23 to -45 dBm
Resolution	0.01 dB
Results Displayed	dB/dBm
Detector Type	**-02:** InGaAs **-04:** Filtered InGaAs
Optical Interface	2.5 mm Universal (Adapters Available)

Ordering Information

Inspection Tip Adapters

PART NO.	DESCRIPTION
AC 040B	SC Adapter
AC 041B	SC / APC Adapter
AC 109B	SC 60-Degree Angle Adapter
AC 042B	FC Adapter
AC 043B	FC/APC Adapter
AC 104B	FC, 60° Angle Adapter
AC 044B	LC Adapter
AC 045B	LC/APC Adapter
AC 107B	LC, 60° Angle Adapter
AC 051B	OptiTap Adapter
AC 046B	ST Adapter
AC 047B	MTP/APC Adapter
AC 050B	MTP/MPO Straight Adapter
AC 048B	1.25mm Universal Adapter
AC 049B	2.5mm Universal Adapter
AC 114B	1.25mm Universal HR Adapter
AC 115B	2.5mm Universal APC Adapter
AC 116B	1.25mm Universal APC Adapter

Power Meter Adapters

PART NO.	DESCRIPTION
AC 020	2.5 mm Universal Adapter
AC 021	1.25 mm Universal Adapter
AC 026	SC Adapter for Optical Power Meter
AC 027	ST Adapter for Optical Power Meter
AC 028	FC Adapter for Optical Power Meter
AC 029	LC Adapter for Optical Power Meter
AC 126	SC/APC Adapter for Optical Power Meter

Patch Cord Accessories

PART NO.	DESCRIPTION
AC 500	SM SC-LC - 1m Simplex
AC 501	SM SC-SC - 1m Simplex
AC 502	SM LC-LC - 1m Simplex
AC 550	MM SC-LC - 1m Simplex
AC 552	MM LC-LC - 1m Simplex
AC 600	SC-SC Simplex Bulkhead Adapter
AC 601	LC-LC Simplex Bulkhead Adapter
AC 602	LC-LC Duplex Bulkhead Adapter

Cleaning Tools

PART NO.	DESCRIPTION
AC 089	One-Click Cleaner for 1.25mm & ODC Ferrules / Bulkheads
AC 099	One-Click Cleaner for 2.5mm Ferrules / Bulkheads
AC 090	1.25mm Swabs (100 per Pack)
AC 091	2.5mm Swabs (100 per Pack)
AC 092	SqR Pad & Fiber Wash Pen
AC 190	Cletop Cleaner - Type B - Blue Tape

M-DS020-09 TTK 720

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