PT1 Polarity Tester

Product Description

The PT1 Polarity Tester is an easy-to-use instrument specifically designed to check the polarity of fiber optic cable assemblies. The PT1 is equipped with a touchscreen interface to allow for one touch testing of typical pre-programmed type A, B, C, and unlimited configurable custom profiles. The Visual Fault Locator mode enables easy manual identification of any possible damaged or crossed fiber.

The PT1 can be built with up to 288 channels in one chassis, or can be expanded to 432 if needed. The PT1 operates on a new stand-alone JGR platform which does not require a PC to operate. There is still the possibility of remote operation through USB or Ethernet. Testing can be performed with the included software package which allows the exporting of test results to Microsoft Excel.

The PT1 has been developed with customers in mind by looking at the growing demand to reduce testing time and to increase throughput with a user-friendly experience.

KEY FEATURES

- Fast Pass/Fail results
- Touchscreen display and operation
- Up to 288 channels in one box
- Test results can be stored in Excel

APPLICATIONS

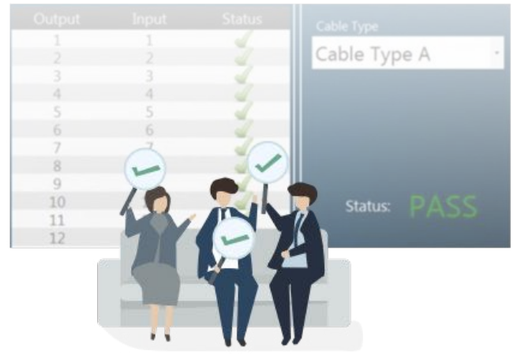
- MTP/MPO cable assembly mapping
- Multi-fiber assemblies
- Complex network mapping
- QC inspection

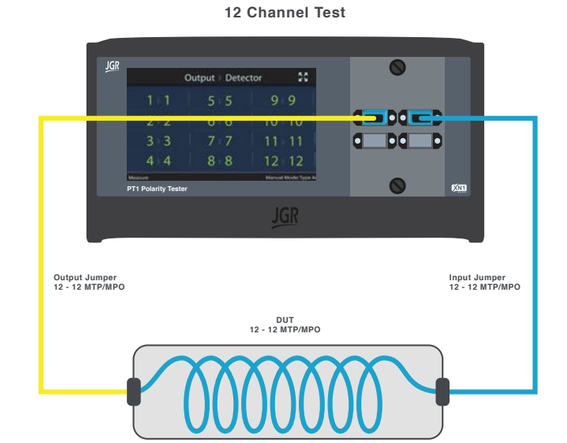
IN THE BOX

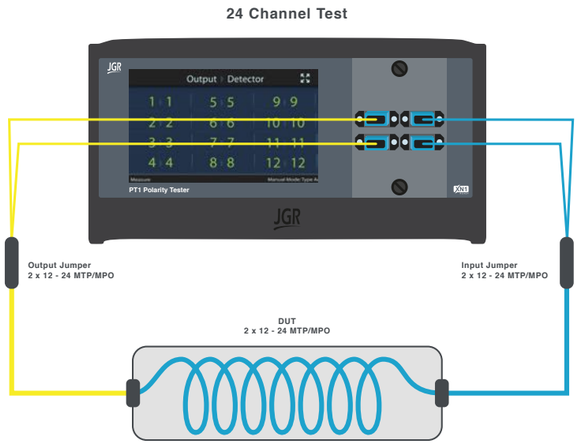
- PT1
- USB power/communications cable
- Polarity Test Software and drivers

Quick Traceable Testing

Manually confirming the polarity of cable assemblies is a very time consuming. The PT1 Polarity Tester can test 12 Channel assemblies in < 2 seconds. The instrument helps eliminate operator error regarding fiber configurations.







Endless Configurations

While being able to test common polarities, the PT1 can be used to test endless custom profiles that take seconds to set up. The same unit can be used for both single-mode and multimode assemblies. The units are equipped with 12 fiber output and input rows.

The PT1 is built with 12 fiber MTP/MPO connectors. For higher or lower channel counts, custom breakouts can be used as output and input jumpers to match the device under testing. It is even possible to stack units when channel count demands get larger.

JGR Optics Inc.
160 Michael Cowpland Dr. Ottawa, Ontario K2M 1P6 CANADA
T 613-599-1000 | **F** 613-599-1099 | info@jgroptics.com

Ordering Scheme

PT1-□-MA

CHANNELS	
12	12-channel
24	24-channel
48	48-channel
72	72-channel
144	144-channel
288	288-channel

Optical/Electrical Specifications

Parameter	Specification	
Operating Wavelengths (nm)	650	
Laser Class	2	
Optics Interface	Output	MTP/MPO APC Male (SM)
	Input	MTP/MPO UPC Male (MM)
Detected Polarities	A, B, C, D & custom mappings	
Test Time (12ch)	<2s	
IL Tolerance	<6dB	
Remote Interface	Ethernet / USB	
Display	5" Touch Screen[1]	
Input Voltage	100 - 240 V AC, 50 - 60 Hz	
Power Consumption (VA)	80 Maximum	

Notes:
1 Only available on 2U half rack up to 48 ch

Mechanical/Environmental Specifications

Parameter	Specification	
	2U half rack	3U full rack
Max Channel Count	48	288
Unit Dimensions W x H x D (cm)	23.5 x 12 x 32.5	48.5 x 44.5 x 13
Shipping Box Dimensions W x H x D (cm)	36.5 x 39 x 53	65 x 58 x 33
Unit Weight (kg)	3	7
Total Shipment Weight (kg)	4	8
Operating Temperature (°C)	0 to 40	
Storage Temperature (°C)	–40 to 60	
Humidity (Non-condensing)	Maximum 95% RH from 0 to 40°C	

JGR Optics Inc.
160 Michael Cowpland Dr. Ottawa, Ontario K2M 1P6 CANADA
T 613-599-1000 | **F** 613-599-1099 | info@jgroptics.com