

# OPTICAL LOSS TEST INSTRUMENTS ●

## TECHLITE™ High Performance MT-RJ Visible LASER Source PX-C221

### FEATURES

- ILLUMINATES EITHER OR BOTH FIBERS
- TEMPERATURE STABILIZED OUTPUT
- CW AND THREE MODULATION MODES
- RUGGED ALUMINUM PACKAGING
- MT-RJ OUTPUT PORT
- NiMH, ALKALINE, OR AC OPERATION
- QUICK CHARGE FEATURE



### Application and Description

The TECHLITE™ PX-C221 optical source is designed to allow the test technician to test, tune, and troubleshoot MT-RJ assemblies by injecting visible red LASER light into either or both MT-RJ fibers simultaneously.

As with Photonix test instruments, the internal circuitry is housed in an aluminum extrusion with high impact rubber bumpers. When stored in its protective waterproof carry case (included when purchased with a TECHLITE™ meter as a test kit), the set can even be submerged several feet underwater. In addition, the instruction guide is fully laminated to make it weather resistant and virtually tear-proof.

The TECHLITE™ PX-C221 utilizes two 635nm visible lasers which can be operated in CW mode (continuous) or modulated at 3Hz (flashing), 500Hz, and 2kHz thereby allowing it to be used as tracer signal generators for use with most popular fiber identifiers or optical leak detection probes.

The TECHLITE™ meters are powered by either four AA alkaline batteries or an AC wall pack with four AA NiMH cells (both the wall pack and NiMH cells are included). In addition to standard charge mode, the units feature an emergency quick charge mode that allows the user to charge the batteries in approximately 1 hour.

### Specifications

|                        |                  |                              |   |
|------------------------|------------------|------------------------------|---|
| <b>Model</b>           | PX-C205          | <b>Modulation</b>            | 3Hz, 500Hz, 2kHz  |
| <b>Emitter</b>         | LASER            | <b>Operating Temperature</b> | -5C to 45C  |
| <b>Wavelength (nm)</b> | 635              | <b>Storage Temperature</b>   | -10C to 60C   |
| <b>Pout (min)</b>      | -3dBm(per fiber) | <b>Humidity</b>              | 10% to 90% non-condensing   |
| <b>Bandwidth (nm)</b>  | 5                | <b>Power</b>                 | US 120VAC 60Hz (included)<br>NiMH 4 "AA" 600mAh (included)<br>Alkaline 4 "AA" |
|                        |                  | <b>Battery Life (typ.)</b>   | 10 hrs., 4 hrs (both emitters on)   |
|                        |                  | <b>Trickle Charge</b>        | 12-14 hours   |