



# PHAZIR™

## Handheld Carpet Identifier

### Overview

The Polychromix PHAZIR is the first of its kind fully handheld carpet identifier. Ergonomically designed for user friendly operation, the PHAZIR provides fast, accurate and reliable results!

### Features

- Portable handheld solution
- Lightweight 4 lbs. device
- Color LCD screen
- Rear facing LED Indicators for quick material ID
- Rechargeable Li-Ion batteries with >10hr. operation time
- Minimal training required



### Applications

- Materials identification
- Incoming material inspection
- Quality Control and Assurance
- Portable field use

### Speed and Power

- **Identification of a variety of material types, including: PP, Nylon 6, Nylon 6-6, Wool, PET, PTT, Acrylics, Rayon**
- **Additional materials can be easily added via the web / email upgrades**
- Instantaneous analysis time

### Portability and Durability

- **True Handheld - 4 lbs (1.8 kg)**
- Batteries allow over 10 hours of continued use
- High-strength, injection molded plastic housing withstands harsh analysis environments
- Safe for use - uses standard harmless light source

### Ease of use

- Simple point and shoot operation
- Minimal training required
- Non destructive measurement
- Color display with advanced and
- Intuitive user interface
- All data stored in memory and downloadable to PC for logging or additional processing



### For additional information please contact:

Polychromix  
30 Upton Drive, Wilmington, MA 01887, USA  
Tel: +1 (978) 284-6000 Fax: +1 (978) 284-6060  
sales@Polychromix.com www.Polychromix.com



# PHAZIR™ Handheld Carpet Identifier

## Phazir™ Specifications

<b>Principle of Operation</b>	Non-destructive chemical analysis via Near Infrared Spectroscopy
<b>Weight</b>	4 lbs (1.8kg)
<b>Dimensions</b>	10 x 11.5 x 6 inches (254 x 292 x 152 mm)
<b>Light Source</b>	Tungsten light bulb > 2 year typical lifetime, user replaceable
<b>Calibration</b>	Calibration standard provided for fast and easy field calibration.
<b>Measurement time</b>	Instantaneous reading.
<b>Display</b>	Transflective ½ VGA color LCD display, visible in or outdoors.
<b>LED Indicators</b>	6 LEDs for quick material ID of: Nylon 6, Nylon 6-6, PET, PP, Other and No-ID
<b>Internal data storage</b>	All readings stored in internal memory and can be offloaded to PC
<b>Data Download</b>	Transfer data in text based files to a PC via USB connection. Easily transfer data to all types of applications.
<b>Data entry</b>	Via 4 navigation buttons and 2 multipurpose soft-buttons
<b>Security</b>	User selectable password protection with multiple security levels.
<b>Carrying case</b>	Rugged plastic waterproof case
<b>Operating conditions</b>	Temperature range 40 <sup>o</sup> to 105 <sup>o</sup> F (5 <sup>o</sup> to 40 <sup>o</sup> C <sup>o</sup> )
<b>Batteries</b>	Rechargeable >10 hour lithium-ion battery pack. AC battery charger included.
<b>Housing</b>	High-strength, dust proof/splash proof plastic housing
<b>Standard accessories</b>	<ul style="list-style-type: none"><li>▪ Rugged waterproof carrying case</li><li>▪ 110/220 VAC battery charger/adaptor</li><li>▪ PC Interface cable</li><li>▪ Documentation CD</li><li>▪ Safety Lanyard</li><li>▪ Reference / Calibration cap</li><li>▪ Spare light-bulb and replacement tools</li></ul>
<b>Training</b>	Call +1-978-284-6000 to enquire about Polychromix training schedules or on site training coordination.
<b>Warranty</b>	Minimum 12-month limited warranty, parts and labor. Additional warranties and optional extended warranties and service contracts vary by country. Please contact Polychromix or your local Polychromix representative for details.

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