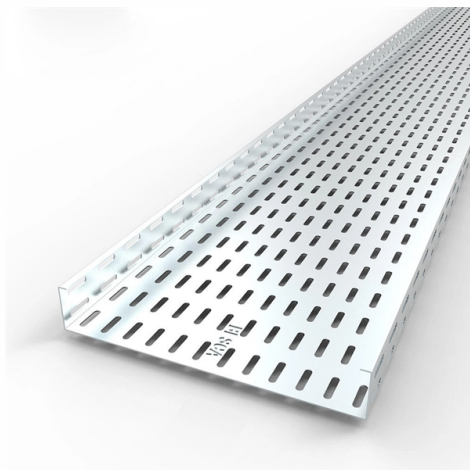


Price of Low-Loss PLC Spectrometer for Indonesian Oil and Petrochemical Industry



Overview

Find a list of Suppliers, Manufacturers, Importers, Distributors, and Stores of Spectrometer for Indonesia region. Updated daily, with competitive prices and reliable service.

Key Takeaways

Low-loss PLC spectrometers for industrial oil and petrochemical applications in Indonesia typically range from USD 15,000 to USD 60,000, depending on specifications, brand, and compliance with local standards. Overview Low-loss PLC (Planar Lightwave Circuit) spectrometers are widely used in the oil and petrochemical industry for precise spectral analysis, process monitoring, and quality control. These instruments are designed for robustness, high precision, and real-time measurements, suitable for harsh industrial environments.

They are often integrated with FT-NIR, Raman, or optical emission spectroscopy technologies to analyze hydrocarbons, additives, contaminants, and other chemical components. Price Range Entry-level or portable models: USD 15,000–25,000. These are compact, fiber-optic-based spectrometers suitable for field measurements or basic lab applications.

Mid-range industrial models: USD 25,000–40,000. These include ruggedized FT-NIR or Raman spectrometers with higher resolution, automated calibration, and software for process control. High-end laboratory or process-integrated models: USD 40,000–60,000+.

These feature advanced chemometric modeling, multi-wavelength detection, and compliance with international and Indonesian standards (SNI) for petrochemical analysis.

Local Market Considerations

Regulatory compliance: Indonesian government mandates SNI certification for analytical instruments, ensuring reliability and accuracy in industrial testing. Key industrial hubs: Jakarta, Surabaya, and Bandung are major centers for oil, petrochemical, and chemical industries, where suppliers and service support are concentrated. Maintenance and support: Costs may increase if local calibration, training, or after-sales service is required, which is common for high-precision spectrometers.

Recommendations

Evaluate instrument specifications such as wavelength range, resolution, and detection sensitivity to match petrochemical analysis needs.

Confirm SN

I compliance and availability of local technical support. Consider total cost of ownership, including software, calibration, and consumables, not just the purchase price. In summary, for the Indonesian oil and petrochemical industry, low-loss PLC spectrometers are a significant investment, with prices ranging from USD 15,000 for portable units to over USD 60,000 for high-end industrial systems, depending on features, precision, and regulatory compliance.

Article Content

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