



TESCO METERING

Reliable Results. Every Meter. Every Time.



925 Canal Street, Bristol, PA 19007

• 215.228.0500

• tescometering.com

Meter Shop Equipment

Catalog No.

1037 Series

C12.19 ANSI Optical Pickup

TESCO's 1037-series optical pickups are precision instruments engineered to support accurate, repeatable testing of C12 ANSI-compliant electric meters in both field and meter shop environments. Serving as an optical pickup for meter testing and calibration, the 1037 platform detects infrared (IR) test pulses from calibration and test LEDs on solid-state meters and converts them into reliable signals for automatic accuracy verification. The series supports widely deployed utility meter platforms, including Itron® Gen™5 Riva™ meters, Itron Sentinel™ meters, Landis+Gyr meters, Aclara meters, and other ANSI-standard single-phase and polyphase meters used by electric utilities across North America.

Why Optical Pickups Matter to Meter Technicians

Optical pickups are essential to a meter technician's workflow because they provide a non-intrusive, service-safe method for validating meter accuracy without opening enclosures or interrupting service. The 1037 series is designed for hands-free operation, using magnetic mounting and adjustable suction adhesion to secure the sensor on flat or contoured meter covers at varying working heights. Built for real-world utility conditions, these pickups deliver consistent performance in ambient sunlight and electrically noisy environments, maintaining accuracy in the presence of RF interference from both legacy and emerging AMI systems.

Compatible Electric Meters and Utility Applications

The 1037 platform is engineered to work across a broad installed base of ANSI meters commonly found in utility operations. Purpose-built configurations support

specific meter geometries and optical pulse locations while preserving a common operating experience for technicians. This approach enables utilities to standardize on a single optical pickup platform while selecting the appropriate derivative to match their meter fleet and testing requirements.

Compatibility with TESCO Electric Utility Meter Testing Equipment

All 1037-series optical pickups are fully compatible with TESCO electric utility meter testing equipment, including TESCO field test standards and meter shop systems. Power is supplied directly through the connected test equipment, and industrial-grade connectors and cabling ensure dependable signal integrity during testing and calibration. By integrating seamlessly into existing TESCO workflows, the 1037 family supports efficient compliance testing, ongoing accuracy assurance, and dependable results across diverse utility operating conditions.





TESCO METERING

Reliable Results. Every Meter. Every Time.



925 Canal Street, Bristol, PA 19007

• 215.228.0500

• tescometering.com

Meter Shop Equipment

Catalog No.

1037 Series

Optical Pickups

Product Variation	Compatible Meters	Cable length	Connector Style	Compatible Products
1037-STND	Standard ANSI Meter with optic port on the front right of the meter	6 ft	LEMO	Other OEM Equipment
1037-DTS	Standard ANSI Meter with optic port on the front right of the meter	2 ft	DB9	Tesco Test Equipment
1037-SA	Standard ANSI Meter with optic port on the front right of the meter	9 ft	DB9	Tesco Test Equipment
1037-ITRN-STND	Itron ANSI Meters with optic port located on top of meter	6 ft	LEMO	Other OEM Equipment
1037-ITRN-DTS	Itron ANSI Meters with optic port located on top of meter	2 ft	DB9	Tesco Test Equipment
1037-ITRN-SA	Itron ANSI Meters with optic port located on top of meter	9 ft	DB9	Tesco Test Equipment
1037-RIV1-STND	Itron Riva Single Phase Meters	6 ft	Lemo	Other OEM Equipment
1037-RIV1-DTS	Itron Riva Single Phase Meters	2 ft	DB9	Tesco Test Equipment
1037-RIV1-SA	Itron Riva Single Phase Meters	9 ft	DB9	Tesco Test Equipment
1037-RIV3-STND	Itron Riva Three Phase Meters + Itron Sentinel Meter	6 ft	LEMO	Other OEM Equipment
1037-RIV3-DTS	Itron Riva Three Phase Meters + Itron Sentinel Meter	2 ft	DB9	Tesco Test Equipment
1037-RIV3-SA	Itron Riva Three Phase Meters + Itron Sentinel Meter	9 ft	DB9	Tesco Test Equipment