

SMART METERS

DTZ1513

Three Phase RF Smart Meter

Three-phase AMI meter with RF mesh for commercial and industrial use

The DTZ1513 direct-connection three-phase AMI meter delivers RF mesh connectivity, Class 1.0/2.0 accuracy, per-phase metrology, multi-tariff support, and comprehensive anti-tamper protection for C&I utility management.

CL 1.0/2.0

ACCURACY

IP54

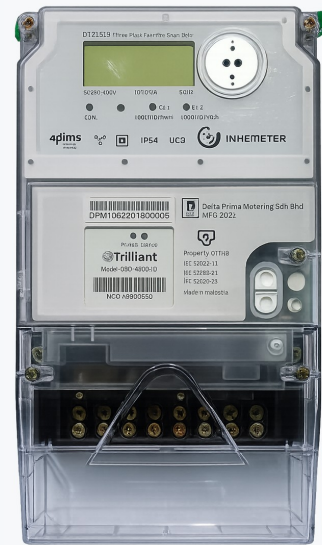
PROTECTION

RF Mesh

CONNECTIVITY

10(100) A

CURRENT RANGE


DTZ1513 / i310 RF

KEY FEATURES

- | | |
|--|---|
| <p>01 RF mesh suited to dense commercial and industrial AMI deployments</p> | <p>05 Remote load control via built-in relay</p> |
| <p>02 Per-phase metrology with bi-directional import/export energy</p> | <p>06 Real-time event detection for tamper, outage and critical alarms</p> |
| <p>03 Anti-tamper including magnetic, cover open, reverse flow and phase manipulation</p> | <p>07 Per-phase power quality monitoring</p> |
| <p>04 Multi-tariff and TOU with up to 8 tariffs</p> | <p>08 DLMS/COSEM with RF mesh, infrared and RS485</p> |



TECHNICAL DATA

Technical specifications

Official ratings for DTZ1513 / i310 RF. Communication module and payment mode are specified at order.

ELECTRICAL & METROLOGY

Reference voltage	3×230/240/400/415 V AC
Operational voltage	80 %Un – 130 %Un
Current	10(100) A
Frequency	50 Hz / 60 Hz
Accuracy class	Active Class 1.0 / 2.0
Impulse constant	1,000 imp/kWh
Relay	Built-in
Measurable quantities	Active, reactive, apparent; PF; per-phase

TARIFF

Tariff capacity	Up to 8 tariffs
Tariff types	TOU, Seasonal, Import/Export

STANDARDS & COMPLIANCE

General requirements	IEC 62052-11
Active energy	IEC 62053-22, IEC 62053-23
Data exchange	IEC 62056-21; DLMS/COSEM

COMMUNICATION & INTERFACE

Interfaces	RF mesh; infrared; RS485; optional GPRS/3G
Protocol	DLMS/COSEM
RF connectivity	RF mesh for remote management

DISPLAY (LCD)

Energy registers	kWh, kVARh, kVAh, import/export
Instantaneous	Per-phase V/I, PF, frequency
Status / diagnostics	Tariff, relay status, alarms

ENVIRONMENTAL & PROTECTION

Operating temperature	–25 °C to +70 °C
Ingress protection	IP54
Lightning protection	Built-in varistor
Maximum altitude	Up to 3,500 m
ESD	Contact ±8 kV; Air 15 kV

Request a quotation, sample or technical pack

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NEXT STEPS

Let's talk about your project

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Products & downloads

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ISO 9001 Certified

SAMM 790 Accredited Lab

Product brochure · Technical data

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