

Product SPECIFICATION SHEET

DIGITAL ENERGY METERS

E/NTES

ES-32L; ES-32LS; ES-80L



Usage Areas

- Shopping malls
- Airports
- Railway Stations
- Factories
- Building Complexes
- Malls
- Hospitals
- Schools
- Holiday Villages
- Marinas
- Industrial Exhibition Halls
- Hotels

The ES Series measures active energy consumption directly and accurately in single phase systems and shows total active energy consumption.

The most important features of the series are **reliability, affordability, small size, and easy installation.**

It can send energy consumption information to the pulse collectors and the other devices with digital inputs through its pulse output.

Via the version with RS-485 Modbus interface other parameters such as **voltage, current and active power** can be monitored remotely.

- Direct connection without current transformer
- Class 1 – Active energy measurement
- MID-approved measurement standard (Optional)
- Sealable terminal block
- RS-485 Modbus communication and energy pulse output options

BRANCH CONTACT DETAILS

Johannesburg 010 202 3300
Germiston 011 418 9600
Cape Town 021 510 0710
Pinetown 031 700 4215
Riverhorse 031 492 4800

NATIONAL CALL CENTRE

Sales 010 202 3400
Technical 010 202 3500

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	ES-32LS	ES-32L	ES-80L
ENCLOSURE			
Protection Class	IP20		
Weight	60gr		74gr
Display	6+1 digit LCD		
MEASUREMENTS			
Active Energy Range	0-999999.9 kWh		
Accuracy	± 1% Class 1		
Nominal Current	In = 5A		In = 40A
Starting Current	0.02A		0.08A
Minimum Current	0.25A		0.8A
Transfer Current	0.5A		2A
Highest Current	32A		80A
Burden (Input Load)	0.5VA		0.5VA
Surge Voltage Test	4kV 1.2/50 ms IEC 1000-4-5		4kV 1.2/50 ms IEC 1000-4-5
Burst Test	4kV IEC 61000-4-4		4kV IEC 61000-4-4
SUPPLY			
Operating Voltage	230 VAC - 20%+15%		230 VAC - 20%+15%
Operating Frequency	50/60Hz		50/60Hz
Power Consumption	<2W		<2W
INPUT/OUTPUT STRUCTURE			
Pulse Output	1000Imp./kWh		1000Imp./kWh
Pulse Width	Ti=20ms		Ti=20ms
AMBIENT CONDITIONS			
Operating Temperature	-25 / +55°C		
Over Voltage Category	III		
Pollution Degree	xII		
Type	Indoor		
Ambient Humidity	90%		
STANDARDS			
Applied Standards	EN 62052-11, EN 62053-21		
Applied Certificates	MID measurement Certificate		N/A
CONNECTIONS			
Mounting	Rail Mounting DIN EN 50022		
Connection Terminals	Screw type		
Communication Interface/Protocol	RS-485 / MODBUS RTU	N/A	N/A

BRANCH CONTACT DETAILS

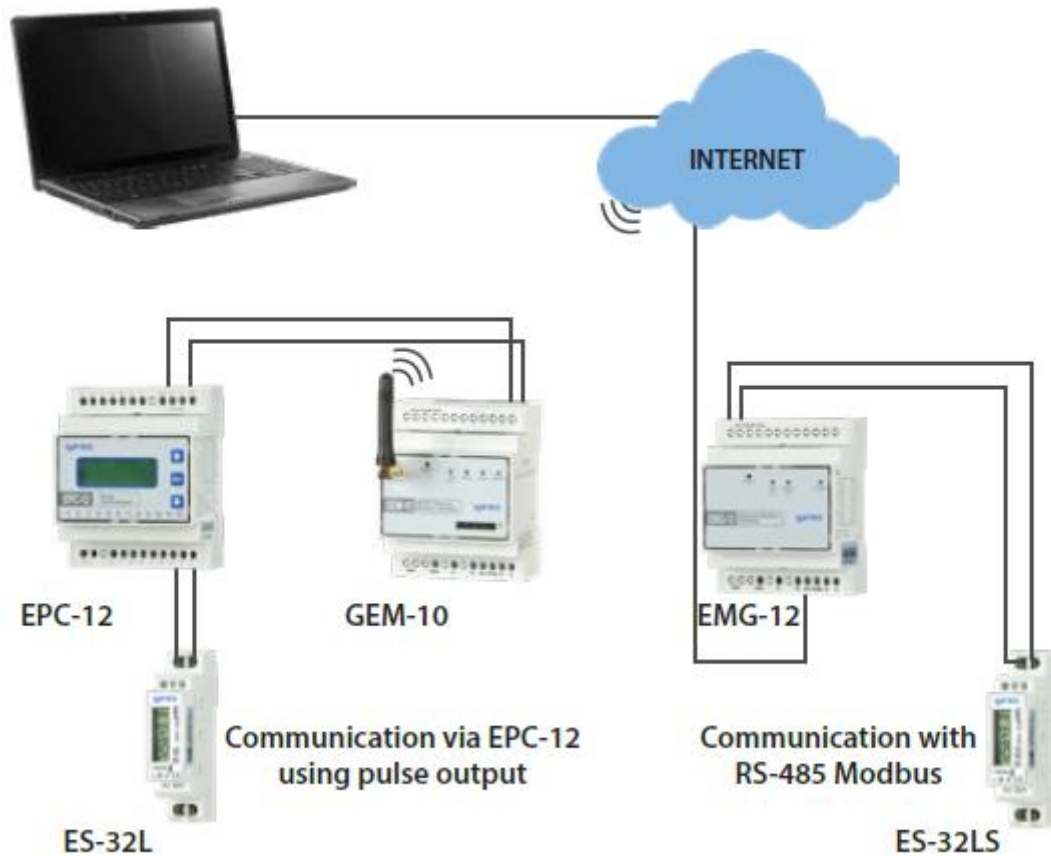
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