



BST

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NO 370, SANAT BLV, TOOS INDUSTRIAL ESTATE,
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“IRANTECH110 Din-Rail” METER

IRANTECH 110 Din-Rail is a next-generation smart single-phase rail mounted meter. Designed and manufactured based on TAAIR requirement and client's needs.

IRANTECH 110 Din-Rail has RS485 electrical port and relies on communication modules, provide meter reading ability by remote.

Here are some of the key capabilities of the IRANTECH 110 Din-Rail meter:

- Supports DLMS/COSEM protocol;
- The ability to record multiple events;
- Internal relay;
- The ability to be installed in group out of door, easy to management and difficult to be tampered ;
- Use closed structure design to prevent external tamper.

“IRANTECH110 Din-Rail” METER

Main features

- According to IEC62053-21/23 ,IEC62052-11 ,DLMS/COSEM
- Ability to measuring and recording active and reactive energy, active and reactive power, current, voltage and $\text{Cos}\varphi$
- Ability to measuring and recording back and forward energy Separately
- Ability to measuring and recording energy independent of current direction and in absolute value (Anti fraud)
- Ability to measuring and recording maximum demand
- Ability to measuring and recording reverse function
- Ability to measuring pahase and null currents separatly and view bypass
- IP52
- It has an internal back-up battery withr normal operating conditions of 20 years and 2 years without power
- Record the number of power off times
- Hourly Load profiles : in 8 channels with adjustable sampling intervals
- Daily Load profiles : in 7 channels with adjustable sampling intervals
- User friendly software with different access levels
- Guaranteed for 5 years and after-sales service for 10 years
- Type test of international and domestic institutions such as Tavanir (Power Research Institute), KEMA, CTI, National Standard of Iran ...
- In accordance with Tavanir requirements - Version 4/3
- Size 138.8*35*83 Cm
- Weight 0.303 Kg





Technical Specifications of IRANTECH110 Din-Rail

Description	VALUE
Voltage	
Nominal voltage U_n	230V
Extended operating voltage range	$0.7U_n \sim 1.15U_n$
Start operating voltage	140
Limiting voltage	460
Frequency	
Nominal frequency f_n	50Hz
Tolerance	45Hz to 55Hz
Current	
Basic current (I_b)	5A
Maximum current (I_{max})	80A
Starting current (I_{st})	<40mA
Measurement Accuracy	
Active energy	Class 1
Reactive energy	Class 2
Power Consumption	
Power consumption in Voltage circuit	0.3W
Power consumption in current circuit	<0.1VA
Inputs and Outputs	
Optical test outputs active energy & reactive energy	
Type	Red LED
Pulse width	30ms
Active energy constant	1000 imp/kWh
Reactive energy constant	1000 imp/kvarh
Temperature range	
Operation meter	-40'C to +75'C
Storage	-40'C to +85'C





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