



Features : -

1. With Multi-channel server;
2. Operate automatically or manually;
3. High resolution of voltage, current and power;
4. Large LCD display and simple interface for operation;
5. Every meter position should have error calculation/monitor;
6. Wide current measuring range from 1mA to 120A which could be automatically switched;
7. Self-check and perfect protection function of overload, short voltage circuit and open current circuit;
8. High stability of power source which is up to 0.01%/100s and low distortion which is no more than 0.3%;
9. High accuracy, 6-digit display the energy relative errors should be no more than ≤ 0.02 within the measuring range;
10. Installing the ICT in each meter position to test three-phase meters with closed links between the current and voltage measuring circuits (I-P Links) (optional);
11. Should be equipment with three phase multifunction reference meter and program-controlled three phase power source which can be separately use and convenient for testing;

Technical Specification :-

Electrical parameters	
Accuracy	0.02%
Power Supply	AC 180-265V, or 3×220/380V±15%, frequency 50/60Hz.
AC Voltage Output	
Range(U1, U2, U3)	57.7V, 100V, 220V, 380V (max 480V)
Adjustment range	(0-120)%RG ⁽¹⁾
Adjustment fineness	0.01%RG
Stability	0.01%/120s
Distortion	0.3% (Non-capacitive load)
Output load	1500VA
Measuring accuracy	0.02%RG

Note: Specifications are subject to change, Photos shown above are Indicative, Actual Product can Vary.



Export Sales: +91-9829132777
India Sales: +91-9588842361



IT-2013, Ramchandrapura Industrial Area,
Sitapura Extension, Jaipur-302022, India.



info@tesca.in
www.tescaglobal.com



AC Current Output	
Range (I1,I2,I3)	0.1A, 0.25A, 0.5A, 1A, 2.5A, 5A, 10A, 25A, 50A, 100A, 120A
Adjustment range	(0-120)%RG
Adjustment fineness	0.01%RG
Stability	<0.01%/120s
Distortion	≤0.3% (Non-capacitive load)
Output load	1500VA
Accuracy	0.02%RG

Electrical parameters - continued

Power Output

Active power output stability	<0.01%RG/120s
Reactive power output stability	<0.02%RG/120s
Active power measuring accuracy	0.02%RG or 0.05% RG
Reactive power measuring accuracy	0.1%RG

Phase Output

Output adjustment range	0°-359.999°
Output adjustment fineness	10, 1, 0.1, 0.01 as optional.
Resolution	0.01°
Accuracy	0.02°

Power Factor

Adjustment range	-1 ~ 0 ~ 1
Resolution	0.0001
Measurement accuracy	0.0005

Frequency Output

Adjustment range	40Hz-70Hz
Output adjustment fineness	5Hz, 1Hz, 0.1Hz, 0.01Hz as optional.
Resolution	0.001Hz
Accuracy	0.002Hz

Voltage /Current/Harmonic Setting

Harmonic number	2-51times
Harmonic content	0-40%
Harmonic phase	0-359.99
Harmonic setting accuracy	(10%±0.1%)RD ⁽²⁾

Power Energy Measurement Error

Active power energy	0.02%RG
Reactive power energy	0.1%RG

Power Pulse Output

Power pulse type	active pulse, reactive pulse
Active power pulse output	5V, 10mA
Pulse output frequency	Max 50kHz

Power Pulse Input

Pulse constant set range	(1--599999999)/kwh
Energy pulse type	support active and reactive pulse, the highest frequency power pulse

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