SMART-QC
Testing Power Converters

UMA ™
Innovation to Engineering

SMART-QC SMART QUALITY CONTROL uma ™

230.0 m K V ~
1.934 m K A ~
386.5 m K W ~
0.869 c

55.23 m K V —
5.935 m K A —
327.8 G K W —
84.81 E RELAY ON

LIMIT	TYPE	HOLD
1	2	3
CT 4	TIME 5	S.No. 6	▲
F1 7	F2 8	F3 9	▼
F4 -	F5 0	WRITE .	SET ▶

USB PORT (Optically Isolated)
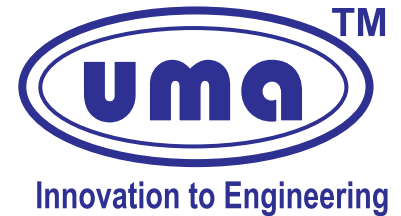
भारत में निर्मित
MADE IN INDIA

⚙ FEATURES

〜 **AC Parameters : V, A, W, PF, Hz**

--- **DC Parameters : V, A, W, Eff.**

1:1 **CT Ratio & Shunt setting Facility**

🖌 **Software Compatible with Barcode Scanner**

Useful for Production Testing

Software Interfacing Facility

8 **Big LED Display for clear view**

🔌 COMPREHENSIVE TESTING OF ELECTRICAL APPLIANCES
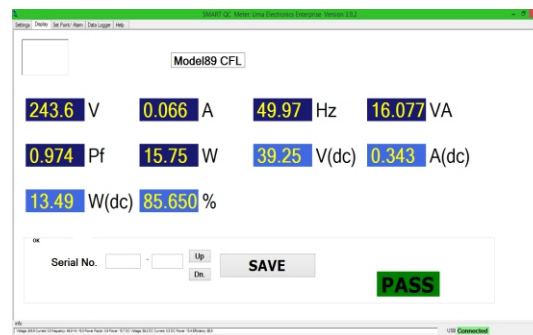
BALLAST

LED LAMP

LED DRIVER

SMPS

CFL

UPS

TECHNICAL SPECIFICATION

Auxiliary Power	**180 - 250 V, 50 Hz**
AC Input Voltage	**5.0 - 500 V, 45 - 55 Hz** (45 - 65 Hz, 600V range also available)
AC Input Current	**10mA to 2.0A** (Upto 10A range available)
DC voltage	**2.0 - 200V**
DC current	**20mA - 5A** (Up-to 20A range available)
Accuracy	**Class 0.2** (for electrical parameters)
Resolution	**Floating Decimal Point**

SOFTWARE

Model89 CFL

243.6	V	0.066	A	49.97	Hz	16.077	VA
0.974	Pf	15.75	W	39.25	V(dc)	0.343	A(dc)
13.49	W(dc)	85.650	%				

OK

Serial No. ___ - ___   Up / Dn   **SAVE**   **PASS**

USB Connected

Features:
- Report Generation
- Data Logger
- Real Time View

ORDERING CODE

SMART-QC/P2

SMART Quality Control

Input Current
P2=0.2 Amp
P5=0.5 Amp
2 = 2.0 Amp
5 = 5.0 Amp
10 =10.0 Amp

DIMENSION

282
132
132
272
20   272
Front   **Panel Cutout**
*dimensions in mm
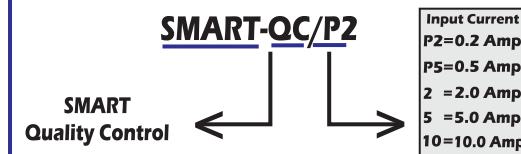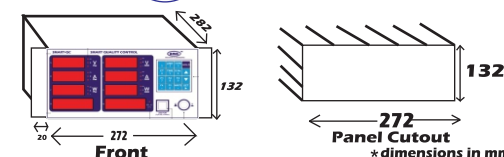
Report Generation

Excel Format in Computer

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P
1	SMART-QC	Sr No	STATUS	Date	Time	VRMS	Arms	W	PF	Hz	DCV	DCA	DCW	Efficiency		
2	15 W Led Driver	1	PASS	04-07-19	10:23:37	236.3	0.0656	15.38	0.9905	50.06	38.71	0.3437	13.3	86.48		
3	15 W Led Driver	2	PASS	04-07-19	10:23:53	236.6	0.0658	15.44	0.9893	50.05	38.71	0.3447	13.34	86.42		
4	15 W Led Driver	3	PASS	04-07-19	10:23:59	236.2	0.0655	15.37	0.9914	50.04	38.7	0.3432	13.28	86.41		
5	15 W Led Driver	4	PASS	04-07-19	10:24:03	236	0.0657	15.39	0.9899	50.04	38.69	0.3429	13.27	86.19		
6	15 W Led Driver	5	PASS	04-07-19	10:24:09	236.2	0.0655	15.39	0.9922	50.03	38.68	0.3424	13.24	86.06		
7	15 W Led Driver	6	PASS	04-07-19	10:24:13	236.3	0.0657	15.42	0.9912	50.03	38.7	0.3432	13.28	86.1		
8	15 W Led Driver	7	PASS	04-07-19	10:24:19	236.5	0.0659	15.53	0.9935	50.03	38.74	0.3444	13.34	85.89		
9	15 W Led Driver	8	FAIL	04-07-19	10:24:36	237.2	0.0664	15.71	0.9952	50.04	38.73	0.3427	13.27	84.44		
10	15 W Led Driver	9	PASS	04-07-19	10:24:40	238.1	0.0659	15.5	0.9863	50.04	38.75	0.3472	13.45	86.03		
11	15 W Led Driver	10	PASS	04-07-19	10:24:52	239	0.0652	15.46	0.9898	50.04	38.74	0.3439	13.32	86.15		
12	15 W Led Driver	11	PASS	04-07-19	10:24:55	239.1	0.0652	15.47	0.9899	50.03	38.71	0.3439	13.31	86.09		
13	15 W Led Driver	12	FAIL	04-07-19	10:25:12	239.3	0.0647	15.37	0.9908	50.04	38.64	0.3422	13.22	86.03		
14	15 W Led Driver	13	PASS	04-07-19	10:25:16	239.9	0.0645	15.34	0.9896	50.04	38.7	0.3419	13.24	86.06		
15	15 W Led Driver	14	FAIL	04-07-19	10:25:22	240.1	0.0647	15.44	0.9922	50.04	38.69	0.3444	13.33	86.3		
16	15 W Led Driver	15	PASS	04-07-19	10:25:33	239.8	0.0648	15.4	0.9918	50.03	38.66	0.3437	13.29	86.03		
17	15 W Led Driver	16	PASS	04-07-19	10:25:36	239.2	0.0646	15.33	0.9903	50.03	38.66	0.3419	13.22	86.21		
18																
19																

Pass/ Fail Facility

1Φ supply

Buzzer
Relay output
Relay output
Relay output
Contractor
Unit Under Test
Alarm

Fig.1
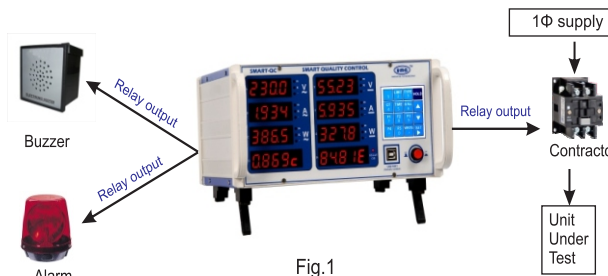
User can set alert limit for five different type of model for and
AC - Wattage, Current & Power Factor,
DC - Voltage, Current & Wattage and Efficiency.

Related Product
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DTM-1

- **Parameters : AC +THD / DC +Eff.**
- **Application : Production, R&D, Data logging**
- **Internal on board memory up to 32000 datas**
- **Pen-drive Interfacing facility up-to 32GB**
- **Computer Interfacing facility via USB Port**
- **Pass Fail indication facility**

Developed & Manufactured By :

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ACCESSORIES

USB cable   **Power cable**   **Manual**   **Software CD**   **Patch Cords**