

**OPTIMUM ENERGY PRODUCTS LTD.**

POWERful SOLUTIONS

#333, 11979 - 40 Street SE , Calgary, AB T2Z 4M3

Customer Service: 877-766-5412

www.optimumenergy.com

**BILL TO:**  
James Galm  
James Galm  
3559 Townley Road  
Shaker Heights , OH 44122-5**SHIP TO:**  
James Galm  
James Galm  
3559 Townley Road  
Shaker Heights, OH 44122 5156

ORDER NO.

ORDER DATE

CUSTOMER NO.

PHONE NO.

SHIP VIA

NO. PKGS.

48090

1/14/2011

2162958458

U3PP

**MESSAGE:** Thank you for your business!

Please make cheques payable to Optimum Energy Products Ltd.

Requests for refunds or exchanges will be considered up to (14) fourteen days from date of purchase.

Any products to be returned must be unopened and in resalable condition. Software is non-returnable.

Some returns may be subject to a restocking fee.

A return materials authorization number (RMA) must be obtained prior to returning any product to us.

FAX: 403-256-3431

GST: 891086548

QUANTITY

ITEM NO.

DESCRIPTION

COLOR

SIZE

PRICE EA.

TOTAL PRICE

QTY

B/O

SHIPPED

1

0

1

C3043-CL1.0

Conzerv ELF3234 Panel Meter - power  
& energy CZ ELF3234-CL1.0**Thank you for your order!**

UFSI-001 (7/05)





### TEST AND CALIBRATION CERTIFICATE

Model Number	ELF 3234
Meter Serial Number	209148 / 46809 - 5010
Parameter	W / Wh and PF
Accuracy Class	Class 1.0

Calibrated On	14-Dec-10
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Load	240v, 5A			240v, 1A			240v, 0.2A		
	UPF	0.5 Lag	0.8 Lead	UPF	0.5 Lag	0.8 Lead	UPF	0.5 Lag	0.8 Lead
Permissible Error (%)	± 1.00	± 1.00	± 1.00	± 1.00	± 1.00	± 1.00	± 1.00	± 1.20	± 1.20
Observed Error (%) - W/Wh	0.07	-0.07	0.06	0.00	0.06	-0.06	-0.11	0.35	0.06
Observed Error (%) - PF	-0.08	-0.21	0.08	0.18	-0.07	0.02	0.14	0.18	0.29

Verified by	
Name	SURESH
Signature	SURESH

#### Notes:

1. Reference meter used for calibration has valid calibration certificate traceable to International Standards.
2. Schneider Electric Conzerv India Pvt Ltd. recommends calibration interval of 12 months from the date of calibration.
3. The Certificate shall not be reproduced except in full, without prior written approval of the issuing authority.
4. Accuracy: Applicable to the scope of supply.
  - a) W/Wh: Class 1.0 as per IEC 62052-11 and 62053-21. Class 0.5 (optional) as per IEC 62052-11 and 62053-22.
  - b) PF permissible error limit is same as W permissible error limit in percentage.
  - c) Refer product brochure or leaflet for all the remaining parameters error limits.

Schneider Electric Conzerv India Pvt Ltd  
www.schneider-electric.co.in

ISO 14001:2004 Certified  
ISO 9001:2008 Certified

Doc No: TCE 01 - 1