



ELF[™] 3200 Series

Digital Energy, Power & V,A,F Meters



So much in so little!

Tiny!

- 96x48mm. Depth 40mm
- Exciting new applications
- Low CT, PT, Aux Supply burden

Smart!

- TrueRMS
- Auto scaling: Kilo - Mega - Giga
- 3Phase Wiring Check
- Large Multi-function display
- Auto-scrolling
- INTG (Energy Parameters)
- OLD Energy Parameter (Wh, VAh, VARh, -VARh) previous energy values
- Easy access to setup using right key during power on
- Unbalance in phases (%Unbal), RPM, Load%

Global!

- Universal operation
- Dust proof
- Retrofit 90mm 2 cutouts
- Protection from accidental contact with live terminals
- User programmable, Multiple Parameters
- User programmable Star or Delta. For the first time, you don't even need to specify CT secondary (1A/5A)
- User Programmable CT, PT ratios - Primary and Secondary
- Wide range of Auxiliary Supply

Rugged Construction

- Emission: CISPR22
- Fast Transient: Upto 2kV
- IEC 61000-4-4, level 3
- Impulse voltage: 6kV, IEC 60060, 1.2/50

Models

Product Version V02.05

Parameter	ELF 3259	ELF 3234				ELF 3234-3		
		User PAR Setup ¹						
		W	VA	VAR	PF	W	VA	VAR
RMS AVG L1 L2 L3	V	•						
	A	•						
	% Load	•						
	% Unbal	•						
	F	•						
RPM	•							
RMS TOTAL L1 L2 L3	W		•			•		
	VA			•			•	
	VAR				•			•
	PF					•	•	•
INTEG 3PH energy	Wh		•			•		
	VAh			•			•	
	VARh				•			•
	-VARh				•			•
OLD 3PH energy	Wh		•			•		
	VAh			•			•	
	VARh				•			•
	-VARh				•			•

Note1:

Set up parameter (PAR) is user programmable as shown.

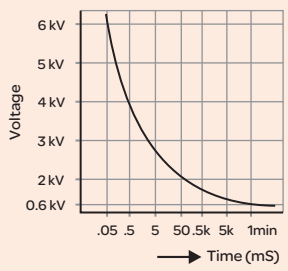
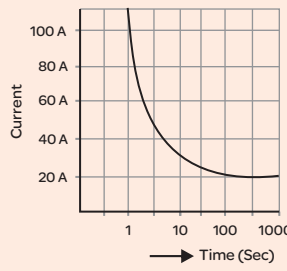
- 10 year back-up of integrated (Energy) data
- VA measurement selectable: 3D or Arithmetic

For comprehensive parameters and simultaneous viewing, we recommend the **EM 6400 Series DigitAN[™]**



ISO 14001:2004 Certified
ISO 9001:2000 Certified

Technical Specifications

V input overload withstanding		A input overload withstanding	
			
<ul style="list-style-type: none"> ■ Sensing : True RMS, 1 sec update time 4 Quadrant Power & 2 Quadrant Energy ■ Input : 4 Voltage inputs (V_1, V_2, V_3, V_N) 110 or 415 V L-L nominal (Range 80 to 500 V L-L) ■ Auxiliary Supply (Control Power) : 80-270V ac, 45 to 65 Hz ■ Input current : Current inputs (A_1, A_2, A_3) Field configurable 1A or 5A (Range 50mA to 6A) Overload 10A max. continuous 50A max. for 3 Seconds ■ Burden : 0.2 VA max. per Volts / Amps input 3VA max. on Auxiliary Supply ■ Frequency : 45 to 65Hz ■ Display : 4 Digit 7 Segment 14 mm LED Display ■ Display sequence : Parameter(2Sec), Value(8Sec) ■ Resolution : Energy 8 digit (4 per page) Power, 3Ø V, A, Hz 4 digit ■ Environmental : Operating Temperature -10°C to 60°C (14°F to 140°F) Storage Temperature -25°C to +70°C (-13°F to 158°F) Humidity 5% to 95% Non Condensing ■ Weight : 225gms approx ■ Dimensions : Bezel 96 x 48 mm Depth 40 mm behind Bezel ■ Panel Cut-out : (90⁺¹) x (43⁺¹) mm ■ Mounting : Flush Mount, Slide Lock ■ Warranty : 3 Year from date of Invoice 			

Accuracy

Class 1.0: W / Wh: Class 1.0 as per IEC 62052-11 & IEC 62053-21,
VAR / VARh: Class 2.0

All other parameters 1.0% of reading.

Class 0.5: W / Wh: Class 0.5 as per IEC 62052-11 & IEC 62053-21,
VAR / VARh: Class 1.0

All other parameters 0.5% of reading.

Note: 1. PF Accuracy same as W/Wh in %

2. Additional error of 0.05% of full scale for current
below 200 mA

3. Full-scale 3x240Vx5A

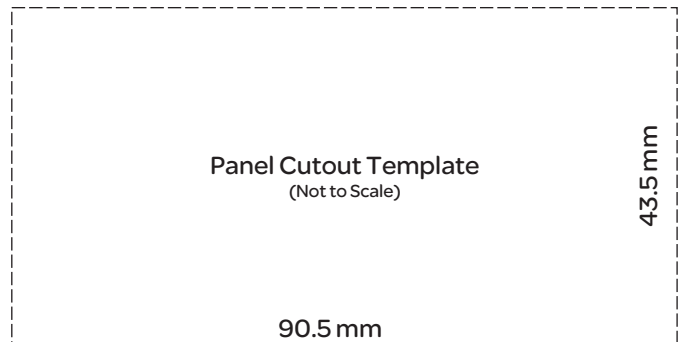
Accessories

Optional: Fused Voltage Probes & Clamp-on Current Probes
for portable use. 96x96 Adaptor plate

Ordering Information

Specify

Model No.	Accuracy Class
<input type="checkbox"/> ELF 3259	<input type="checkbox"/> CL 1.0 <input type="checkbox"/> CL 0.5
<input type="checkbox"/> ELF 3234	<input type="checkbox"/> CL 1.0 <input type="checkbox"/> CL 0.5
<input type="checkbox"/> ELF 3234-3	<input type="checkbox"/> CL 1.0 <input type="checkbox"/> CL 0.5



Schneider Conzerv strives for continuous product innovation. Product specifications are therefore subject to change without notice.

Schneider Electric India Pvt Ltd.

44P Electronic City East Phase Hosur Road, Bangalore 560 100 INDIA

P +91 80 4118 9700, F +91 80 4118 9729 E contact@conzerv.com

Help Desk 1800 425 0555 (Toll Free All India from BSNL / MTNL lines) Or Call 080 2852 0604 (Standard Charges Apply)