



# ELF<sup>™</sup> 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 <sup>1</sup>				User PAR Setup <sup>1</sup>		
		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.

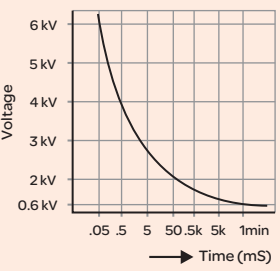
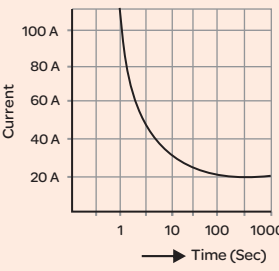
- 10 year back-up of integrated (Energy) data
- VA measurement selectable: 3D or Arithmetic

For comprehensive parameters and simultaneous viewing, we recommend the **EM 6400 Series DigitAN<sup>™</sup>**



ISO 14001:2004 Certified  
ISO 9001:2000 Certified

## Technical Specifications

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

## 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

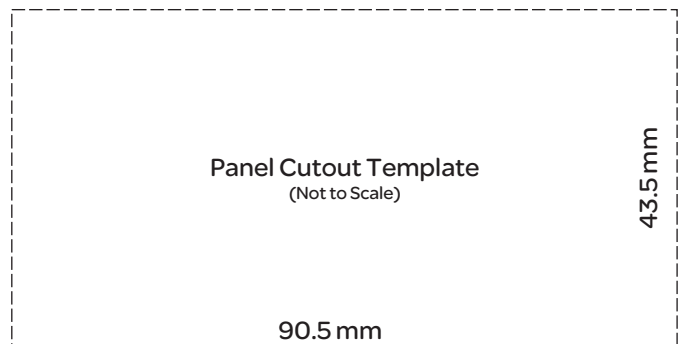
## Accessories

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.

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