

## PERFORMANCE AND SIMPLICITY TO SUIT NUMEROUS APPLICATIONS.

These graphical recorders are simple to configure and easy to use. The 8210 & 8211 two channel models feature: single function per key, rapid acquisition and display on the graphic screen (8211), recall of the zero position, ... For portable applications, either model can be supplied with a carrying case and protective cover. Also available as rack



- 2 synchronised universal input channels
- Colour pen plotting
- Selectable paper speed or external clock control
- Adjustable trace offset
- Selectable noise filters
- RS 232 Interface
- Portable or rack mounting

### SEFRAM 8211 features :

- Portable or rack mounting
- XY Mode
- Transient Signal capture
- Parameter printout
- Alarms (2 relays)
- Back lit display

SEFRAM	8210	8211
Channels	2 synchronised	
Voltage Inputs	1 mV to 100 V (0.25% FS $\pm$ 10 $\mu$ V)	
Current Inputs	with shunts*	
Temperature	thermocouples(J, K, T, S, B, E, N, W5) and Pt 100 sensors	
Resolution	12 bits	
Resolution	-	2 x 7 kwords
Bandwidth	5 Hz	
Input Impedance	> 25 M $\Omega$ (range $\leq$ 2V) / 2 $\Omega$ (range > 2V)	
Transient Sampling Period	-	50 $\mu$ s $\Delta$ 1s
Filters	0,02/ 0,07/ 0,25 /0,5 /1Hz	
Paper width	250 mm	
Paper Speed	1cm/h à 5cm/s + horloge externe	
Pen Speed	1,5 m/s maxi	
f(t) and XY Modes	-	yes
Digital plotting	-	yes
Interface	RS 232	
Power supply	85 à 264 VAC	
Dimensions & weight	450 (L) X 220 (P) X 150 (H) mm ; 5 kg	
Warranty	1 an	

Supplied with a paper roll, two pens, a power cord and a user's manual  
Add value to your recorder by using our accessories.

\* optional

For protection during transportation or storage, we recommend the use of the rigid shock-resistant transport case.

## ACCESSORIES FOR RECORDER

### DIFFERENTIAL PROBES KITS

#### ELD.1052 - 700 V Kit, 3 phases

Contains: 3 probes (GE.8100); 3 BNC/Ban. adapters; 3 test leads; 3 power supplies and a carrying pouch

#### ELD.1053 - 1500 V Kit, 3 phases

Contains: 3 probes (GE.8115); 3 adapters BNC/Ban.; 3 test leads; 3 power supplies and a carrying pouch

#### ELD.1054 - 700 V Kit, 1 phase

Contains: 1 probe (GE.8100); 1 adapter BNC/Ban.; 1 test lead; 1 power supply and a carrying pouch

#### ELD.1055 - 1500 V Kit, 1 phase

Contains: 1 probe (GE.8115); 1 adapter BNC/Ban.; 1 test lead; 1 power supply and a carrying pouch

### CURRENT CLAMPS

- SP 201 - Current clamp (200 AAC, 10 mV/1A,  $\varnothing$  15 mm)
- SP 221 - Current clamp (100 AAC, 100 mV/1A,  $\varnothing$  15 mm)
- SP 230 - Current clamp (1200 AAC, 10 mV/1A,  $\varnothing$  50 mm)
- SP 261 - Current clamp (1200 AAC+DC, 1 mV/1A,  $\varnothing$  50 mm)
- SP 270 - Current clamp (2000 AAC, 1 mV/1A,  $\varnothing$  70 mm)

### CONNECTION KITS

#### ELD.1060 - 6 channels connection Kit

Contains: 12 Test leads/stack. ban. plugs with retractable sleeve (2 m), 12 mini-clip leads and a carrying pouch

#### ELD.1061 - Universal 6 channels connection Kit

Contains: 12 Test leads/ Ban./Ban. (2 m), 12 mini-clip leads, 12 flexible Grabbers, 12 Alligator clips and a carrying pouch

#### ELD.1062 - 12 channels low voltage connection Kit

Contains: 12 mini-clip leads (one end open) and a carrying pouch

#### ELD.1063 - Coaxial Kit

Contains: 6 cables BNC/ 2 x ban.-(50  $\Omega$ -2 m) and a carrying pouch

#### ELD.1057 - Connection Kit for Power and Energy Analysis

Contains : 10 test leads/ stack. ban. plugs (3 m); 1 test lead/ stack. ban. plugs. (25 cm); 5 Alligator clips.; 4 Maxigrabbers; 2 Test tips and a carrying pouch

### SHUNTS

- 910007100 - (0,01 $\Omega$ , 1%, 10 Amax., safety banana plugs
- 910007200 - (0,01 $\Omega$ , 1%, 3 Amax., safety banana plugs
- 989007000 - (50 $\Omega$ , 0,5%, 0,5% Amax., safety banana plugs
- 207030301 - (0,01 $\Omega$ , 0,5%, 30 Amax., screw terminals
- 207030500 - (0,01 $\Omega$ , 0,5%, 50 Amax., screw terminals