

SYNCHRONOSCOPES

Phase synchronisation measurement (frequency and phase equality) between two single-phase or three-phase alternating current systems, or between system and generator.

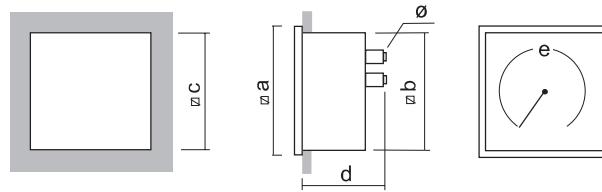
- Accuracy: 1,5 % of 90 electrical degrees
- Voltage range: $\pm 15\%$ Vn
- Voltage: (Vn): 100, 110, 230, 400, 440 V
- Burden: 20..30 mA
- Frequency: 50 or 60 Hz



SYNCHRONOSCOPES			
Dimensions	mm	96x96	144x144
Approx. weight	Kg.	1,37	1,83
AC. SINGLE-PHASE			
AC. Single-phase*		SC3V-360°	SC2V-360°
BALANCED THREE-PHASE			
Balanced three-phase**		SC3VI-360°	SC2VI-360°

- * With additional resistor box (external): 100, 110, 230 V: Model 4.5.1
400, 440 V: Model 4.5.1 and 2.4.1
- ** With additional resistor box (external): 230 V: Model 1.6.1
400, 440 V: Model 2.6.1 and 2.4.1

Dimensions (mm)



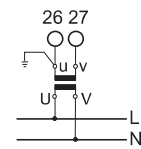
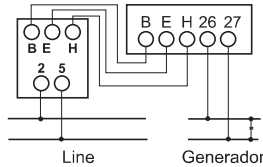
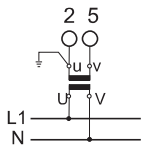
Models	Ranges	∅a	∅b	∅c	d	e	ø
SC3V-360°	100+440	96	89	92 ^{+0,8}	135	100	M.4
SC3VI-360°	100+440						
SC2V-360°	100+440	144	135	138 ⁺¹	135	140	M.4
SC2VI-360°	100+440						

Resistor boxes on page AN-42

CONNECTION DIAGRAMS

Connection diagrams

Single-phase (100, 110, 230 V)



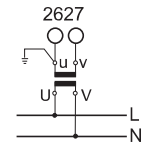
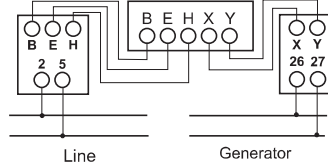
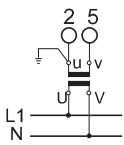
Connection: Current Transf.

Direct input

Transf. Voltage

Connection diagrams

Single-phase (400, 440 V)



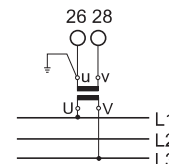
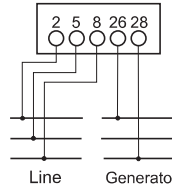
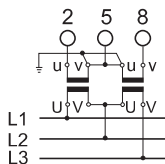
Connection: Voltage transf.

Direct input

Voltage transf.

Connection diagrams

Three-phase (100, 110 V)



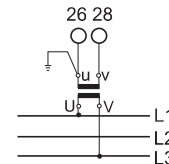
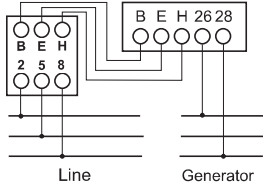
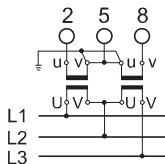
Connection: Voltage transf.

Direct input

Voltage transf.

Connection diagrams

Three-phase (230 V)



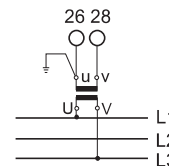
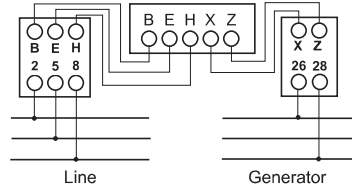
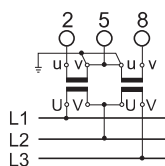
Connection: Voltage transf.

Direct input

Voltage transf.

Connection diagrams

Three-phase (400, 440 V)



Connection: Voltage transf.

Direct input

Voltage transf.