



PHILINK

→ Phase detector for LINKY G1 smart grid

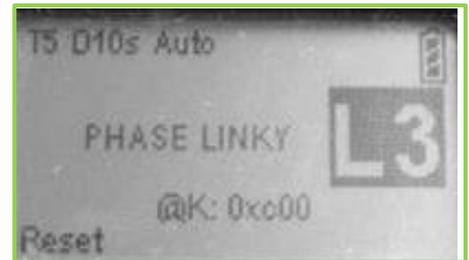
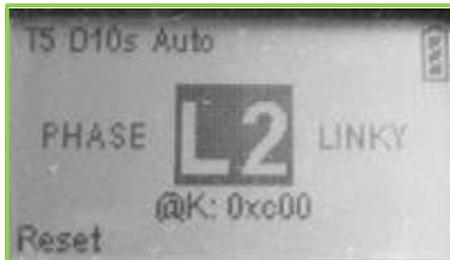
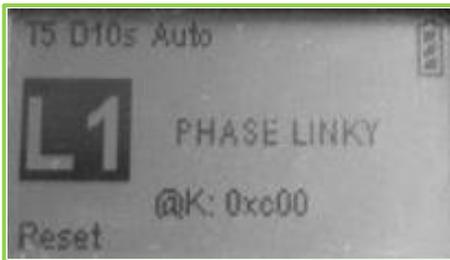
STANDARD



USE

- The PHILINK device allows to detect and display the LINKY phase of a point (meter or connection box) when they are located on a low-voltage distribution network under PLC "LINKY G1" communication.
- This information is required:
 - For a campaign of load balancing in order to improve:
 - the quality of the electricity supply : Warranty of an expected voltage level
 - the use of the electricity distribution installation(transformers and electrical circuits)
 - To reduce the electricity losses
 - For checking the phase when connecting of new LINKY smart meters.

Example of CONFIRMED MEASURES :



Reference	Presentation	Dimensions / Weight	Pictures
PHILINK-G1	Detection unit with lead and clips	L= 155 x l = 100 x H= 70 mm 0.65 kg	
	In Soft case	L= 270 x l = 200 x H= 100 mm 1.10 kg	

Document not contractually binding, errors and omissions excepted



▶ TECHNICAL SPECIFICATIONS

Detector CPL Linky G1

- Degree of protection of the detector
- Over voltage category
- Operating ambient temperature

PHILINK-G1

- IP54 – IK08
- 600 V – Cat.IV
- 20°C to +50°C



- Voltage range
- Voltage rating
- Frequency range
- Sinking-current
- Internal Protection

- 206 V à 260 V rms
- 440 V (permanent)
- 50 Hz and 60 Hz ±3%
- max 35 mA (lower than 15 mA under 230 V)
- Fuse: HPC 1.6 A / 1000 V / 30 kA – FF – Ø6.3 x 32 mm

- Display
- Battery charging status

- LCD screen: 50.6 x 31.0 mm (128 x 64 points)
- Three levels

- Autonomy Level 3
- Level 2
- 1 digit

- Over 800 detections
- ≈ 500 detections
- ≈ 100 detections
- ≈ 500 cycles (Charge/discharge)

- Battery lifetime
- Connectivity
- USB Cable
- Battery Charger

- micro-USB
- dedicated USB A male/ micro-USB B male V2.0 - L= 0.8 m
- PSB05R input 100-240 V AC / 50-60 Hz – output USB 5 V DC – 1 A
- Adapter « car power outlet" 12-24 V DC / USB 5 V DC – 1 A
- PC/USB 5.0 V DC



- Protective soft shell



- Ballistic nylon bag



- Measuring leads



- section 2.5 mm² – 1000 V – Cat.IV – – length 1.05 m
- Contact probes IP2X Ø4 mm (fuse protected)
- Fuse HPC 7 A / 600 V / 50 kA – F – Ø6.3 x 32 mm

- Connection accessories

- Alligator clips 600 V – Cat.IV opening Ø32 mm, connection IP2X Ø4 mm



Accessories :

- "Piercing clamp" TW2010 along ST BT 811 EDF specification