



## GDCR1000C Non-contact Phase Sequence Tester



### General Information

GDCR1000C, GDCR1000D non-contact phase tester is a major breakthrough in traditional phase sequence detection method. The traditional phase sequence detection is to strip the connection pole of three-phase wires, connect three bare clamps or test needles of phase sequence meter to three bare fire lines, while GDCR1000C and GDCR1000D adopt pincers non-contact induction measurement. The phase sequence can be detected by no need peeling off the wire and without touching the bare high-voltage fire wire, just directly clamping three super-inductive high-insulation clamps on the insulation skin of the three-phase fire wire respectively. At the same time, acousto-optic indication of the positive or reverse phase state of the phase sequence of the three-phase power supply can be obtained. There are

four strong magnets on the back of the instrument, which can be attached to the distribution box for use.

GDCR1000C, GDCR1000D non-contact phase tester has the functions of looping inspection, simple power inspection, circuit breaking search, breakpoint location, line maintenance and so on.

Test wire outer diameter:

GDCR1000C:  $\varnothing$ 1.6mm~ $\varnothing$ 16mm

GDCR1000D:  $\varnothing$ 10mm~ $\varnothing$ 40mm

### Specification

Function	Phase check(positive phase, reverse phase, missing phase), live line check, break-point location , line maintenance
Power supply	DC 3 V 2 section alkaline dry cell (LR 6), continuous use time of about 70 hours
Live range	AC 70~1000 V, 45~65 Hz (sine wave continuous input)
Test wire size	Outer diameter $\varnothing$ 1.6 mm~ $\varnothing$ 16 mm or $\varnothing$ 10 mm~ $\varnothing$ 40 mm(optional)

LED display	<p>[positive phase] 4 phase detection lights turn on clockwise in turn;</p> <p>[reverse phase] 4 phase detection lights turn on clockwise sequentially.</p> <p>[live line] L1, L2 and L3 lights turn on within the range of voltage setting;</p> <p>[missing phase] L1 or L2 or L3 lights are not on.</p> <p>[open circuit] The L1 or L2 or L3 lights are not on.</p>
Buzzing	<p>[positive phase] instrument emits intermittent short buzz;</p> <p>[reverse phase] The instrument emits continuous long sounds.</p>
Battery Indication	POWER indicator lights up after power on; LOW BATTERY lights up when power is insufficient
Magnetism	There are four magnets attached to the back of the instrument, which are attached to the distribution box and can withstand 800 g quality.
Shut off	After about 5 minutes, the instrument shuts down automatically.
Dimension	L 70 mm* H 75 mm* W 30 mm
Clamp wire length	0.6 m

Weight	About 200 g (include battery)
Working condition	-10°C~55°C;<80%rh
Storage condition	-20°C~60°C;<90% r
Measurement max. voltage	AC 1000 V
Dielectric strength	5.4 kVrms
Max. rated power	300 mVA
Standards	EN 61010-1:2001, EN 61010-031:2002, pollution class 2, CAT III (600 V), transient over-voltage 6000 V