

2052R/2062R
Wire Tracer Receiver
2000T
Wire Tracer Transmitter

Product Specifications

General Specifications

	2052R	2062R	2000T			
Size	(18.3 x 7.5 x 4.3) cm	(27.8 x 11.3 x 6.5) cm	(18.3 x 9.3 x 5) cm			
	~(7.2 x 3.0 x 1.7) in	~(10.9 x 4.4 x 2.6) in	~(7.2 x 3.7 x 2.0) in			
Weight	0.57 kg (~1.26 lbs)	0.54 kg (~1.2 lbs)	0.57 kg (~1.26 lbs)			
Signal indications	Numeric, bar graph display, audible beep, LED		LEDs, audible beep			
Sensor response time	500 ms					
Battery voltage monitoring	5 s					
Line voltage monitoring			1 s			
Range detection, open air	Range detection, open air					
SmartSensor mode, direction indication		≤15 cm (6 in), 230 V ac, high mode, sensitivity level 2				
Tip sensor mode						
Pinpoint accuracy	5 cm (2.0 in)					
Max distance						
Energized mode	≤6.1 m (20 ft)					
De-energized mode	≤4.5 m (14.7 ft)					
Display						
Size	LCD 6.5 cm (2.5 in)	LCD 8.9 cm (3.5 in)	LEDs			
Visible area (VA) (W x H)	~(37 x 49) mm ~(1.5 x 2.0) in	~(70 x 50) mm ~(2.75 x 2.0) in				
Resolution	240 (RGB) x 320 px	480 (RGB) x 320 px				
Туре	Color TFT LCD		LEDs			
Backlight	Yes					
Booting time	≤3 s	≤2 s	≤2 s			

Electrical Specifications

	2052R	2062R	2000T	
Battery	4 x AA, IEC LR6, alkaline or NiMH rechargeable		8 x AA, IEC LR6, alkaline or NiMH rechargeable	
Battery life				
Trace mode	~16 hrs	~20 hrs		
High/low mode			~25 hrs	
Loop mode			~18 hrs	
Low battery indicator	Yes			
Power consumption, ty	pical			
Trace mode	110 mA			
High/low mode			70 mA	
Loop mode with Clamp			90 mA	
No signal transmission			10 mA	
<u></u> Fuse			1 A, 700 V, fast-acting, 6 mm x 32 mm, 50 kA interrupt rating	
Operating voltage	600 V ac/dc			
Operating frequency				
Energized/loop mode	6.25 kHz			
De-energized mode	32.77 kHz			
Automatic voltage dete	ection			
Energized mode	See NCV detection		≥35 V ac	
De-energized mode			<35 V ac	
NCV detection (40 Hz to	o 400 Hz) sensitivity		<u> </u>	
Maximum	90 V, ≤2.0 m (6.5 ft)			
Minimum	600 V, ≤1.0 cm (0.4 in)			
Signal current output (t	typical)		·	
Energized mode				
High mode			60 mA RMS ^[1]	
Low mode		20 mA RMS ^[1]		
	1		1	

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De-energized mode			
High mode			110 mA RMS ^[2]
Low mode			40 mA RMS ^[2]
Loop mode			
Test leads			160 mA RMS ^[2]
i400 AC Clamp, one wind of wire over the clamp			385 mA RMS ^[2]
Signal voltage output (r	nominal)		
Energized mode			
High mode			14 W @ 230 V ac/50 Hz, 3.33 kΩ @ 230 V ac ^[3]
Low mode			4.6 W @ 230 V ac/50 Hz, 11.5 kΩ @ 230 V ac ^[3]
De-energized mode			
High mode			31 V RMS, 140 Vp-p ^[4] , 0.86 W @ 1 kΩ load ^[5]
Low mode			27.5 V RMS, 120 Vp-p ^[4] , 0.1 W @ 1 kΩ load ^[5]
Loop mode			·
Test leads			32 V RMS, 140 Vp-p ^[4] , 0.87 W @ 1 kΩ load ^[5]
i400 AC Clamp, one wind of wire over the clamp			31 mV ^[4] , 0.89 W @ 1 Ω load ^[5]
[1] Sink current[2] Short circuit current[3] Sink power[4] Open circuit voltage[5] Output power			

Environmental Specifications

	2052R	2062R	2000T	
Temperature				
Operating	-20 °C to 50 °C (-4 °F to 122 °F)			
Storage	-20 °C to 70 °C (-4 °F to 158 °F), without batteries			
Relative humidity				
Operating	95 %: 10 °C to <30 °C (50 °F to <86 °F) 75 %: 30 °C to <40 °C (86 °F to <104 °F) 45 %: -20 °C to <10 °C or 40 °C to 50 °C (-4 °F to <50 °F or 104 °F to 122 °F), non-condensing			
Storage	<95 %, non-condensing, without batteries			
Altitude				
Operating	2000 m (~6562 ft)			
Storage	12 000 m (~39 371 ft)			
IP rating	IP40			
Drop test	1 m (~3.28 ft)			
Transient protection			8.00 kV (1.2/50 μs surge)	
Safety	IEC 61010-1: Pollution Dec IEC 61010-2-030: CAT IV 6			

Electromagnetic Compatibility (EMC)

International IEC 61326-1: Portable Electromagnetic Environment, CISPR 11: Group 1, Class A

Group 1: Equipment has intentionally generated and/or uses conductively-coupled radio frequency energy that is necessary for the internal function of the equipment itself.

Class A: Equipment is suitable for use in all establishments other than domestic and those directly connected to a low-voltage power supply network that supplies buildings used for domestic purposes. There may be potential difficulties in ensuring electromagnetic compatibility in other environments due to conducted and radiated disturbances.

Caution: This equipment is not intended for use in residential environments and may not provide adequate protection to radio reception in such environments.

Korea (KCC) Class A Equipment (Industrial Broadcasting & Communication Equipment)

Class A: Equipment meets requirements for industrial electromagnetic wave equipment and the seller or user should take notice of it. This equipment is intended for use in business environments and not to be used in homes.

USA (FCC) 47 CFR 15 subpart B. This product is considered an exempt device per clause 15.103.