



Pro50™ Digital Irrigation System Tester

**Durable hand-held
tester for any low voltage
multi-wire
irrigation system**

**A single digital unit that will
test controllers, wiring and
electrical valves in AC or DC
(battery operated)
irrigation systems
– no multimeter required**



Pro50™ Features

- Test wiring, operate and chatter valves in conventional 24 Vac systems
- Test wiring, operate and chatter valves in battery-operated systems (9 Vdc with DC latching solenoids)
- Check AC or DC (battery operated) controller operation
- AC/DC Auto-ranging Multimeter built in
- Sends wire tracing tones and verifies the wire
- Toro Golf Spike Guard™ solenoid compatible
- 2-Wire powering capability
- Also available as a kit with case and probe (Pro50K™)

PRODUCT DESCRIPTION

The Pro50™ Digital Irrigation System Tester is a complete tool for testing multi-wire electrical-controlled irrigation systems – verifying controller functions, wiring continuity and valve solenoid operation. It is designed for users who may need to test both conventional AC systems and DC (9-volt battery) operated systems. In the AC mode, the tester measures and activates valve circuits using 24 volts, while in the DC mode the tester uses the same signals as popular 9-volt battery operated controllers to activate DC latching solenoids. The Pro50™ will “chatter” valves in both modes.

It includes a built-in auto-ranging multimeter that will read voltage up to 40 volts and resistance up to 40 kilohms. The standard electrical test leads are interchangeable with the test leads from your other meters if you want to probe terminals and wires instead of clipping on with the alligators.

SPECIFICATIONS

AC Solenoid Operation	24 volts AC
DC Latching Solenoid Operation	+9 volt DC and -9 volt DC pulses 40 milliseconds
Line Condition Check	Good, Open, Short
Test Range	3,000 feet (1 km) over 18 ga (1 mm) cable
Built-in Multimeter Tests	AC or DC to 40 volts, auto-ranging Electrical resistance from 0 to 40 kilohms, auto-ranging
Tracing Tone Output	1 kHz
Display	0.5 x 2 inches (12 x 50 mm) LCD
Power	4 x AA batteries, alkaline 6LR6 (not included) Battery saving Timeout - 30 minutes
Voltage Protection	120 volts AC
Operating Conditions	+32 to +120 degrees F (0 to +50 degrees C)
Unit Size	7 x 3 x 1.5 inches (175 x 80 x 35 mm)
Weight including test leads	8.5 ounces (240 g) without batteries, 12 ounces (320 g) with batteries
Test Leads	24 inches (600 mm) long, Universal 4 mm safety plugs at both ends with one set of large red/black insulated alligator clips (Category IV, 600 volts)

Distributed by:



For more information contact:
Armada Technologies
8535 Byron Commerce Dr. SW
Suite A
Byron Center, MI 49315
Phone: (616) 803-1080
Fax: (616) 803-1083
www.armadatech.com