

UTJ99

Universal Meter Test Jacks



- **Universal design, accept virtually all common socket meters**
- **Unique plug-in modules that simplify test connections**
- **Rugged enclosure for field use**

DESCRIPTION

The Megger Model UTJ99 Universal Meter Test Jacks are designed specifically for safe, simple and efficient testing of most common socket-type watt-hour meters.

The Universal Meter Test Jack is a device primarily used for field testing watt-hour meters at the meter service installation.

The main component of the test jack is its housing. It is used to mechanically support the meter and provide connection to a power source.

Only one test jack housing is needed to allow testing of virtually any S-base meter form. The rugged, molded housing incorporates a built-in faceplate that functions as a receptacle for the S-base meter, using lever-actuated cams to lock the meter firmly in place.

The test jack housing is used with one of four available stab plates to adapt it to different meter service installations. Each stab plate includes a bypass bus of appropriate size to conduct existing load current while the meter is being tested.

APPLICATIONS

Testing is normally carried out by removing the customer's meter and installing the test jack into the energized meter socket.

When the jack is inserted, service is restored to the customer and access to line voltage is available for power to perform the meter tests. Testing can then be performed without further disruption of customer service.

External connections to a phantom load and watt-hour reference standard then are made.

The meter to be tested is installed onto the faceplate of the test jack. It is locked and held securely in place. The plug-in interface module then is installed to energize the meter and phantom load for testing.

FEATURES AND BENEFITS

- **Universal design:** Design accommodates all common S-base meter forms. Only one test jack is needed for field testing.
- **Interface module:** This eliminates external potential jumpers and simplifies test hookup.
- **Enclosed "double-insulated" design:** The unit does not have exposed live parts or conductive metal for the operator to contact accidentally.
- **Internal bypass bus:** This feature restores customer service while tests are being performed.
- **Comprehensive instruction manual:** The manual provides useful information about testing applications, accuracy calculations, safety and other general meter testing topics.

SPECIFICATIONS

Construction

Glass-reinforced, nonflammable, molded polycarbonate, NEMA 12 enclosure rating

Voltage Rating

600 V max

Current Ratings

Test: 50 A

Bypass: 320 A

Environment

Operating

32 to 122° F (0 to 50° C) 10 to 95% relative humidity

Storage

-22 to +158° F (-30 to +70° C)

Dimensions

7.8 long x 6.9 diameter in.
(198 long x 175 diameter mm)

Weight

4 lb (1.8 kg)

ORDERING INFORMATION

Item (Qty)	Cat. No.	Item (Qty)	Cat. No.
Model UTJ-99 Universal Meter Test Jack accepts all commonly used meter forms. Requires a stab plate and interface module for testing		UTJ99	
Included Accessories			
Accessory leads and connectors			
Lead, current shorting, 6 AWG, 2.5 ft (0.8 m)	16004	Lead, current, 6 AWG, 8 ft (2.4 m)	16003
Type I, for forms 1S, 2S, 3S, 4S, 12S, 22S, 23S, 25S	16000-1	Lead, potential, 18 AWG, 2 cond, 8 ft (2.4 m)	16005
Type II, forms 14S, 15S, 16S, 17S	16000-2	Fuse, 3 A, 600 V, Midget FA [2]	15965
Type III, forms 6S, 8S, 9S, 10S	16000-3	Instruction manual [1]	15999
Type IV, forms 5S, 13S	16000-4	Optional Accessory	
Meter interface modules (order separately)		Carrying case	16006
1S	16001-1		
2S	16001-2		
3S	16001-3		
4S	16001-4		
5S, 13S	16001-5		
6S	16001-6		
8S	16001-8		
9S	16001-9		
10S	16001-10		
12S, 23S, 25S	16001-12		
14S	16001-14		
15S	16001-15		
16S, 17S	16001-16		
22S	16001-22		

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UTJ99_DS_en_V10
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