

# Fluke 771

## Milliamp Process Clamp Meter

### Technical Data



**Measure 4 to 20 mA  
signals without  
breaking the loop**

#### Features include:

- Measure mA signals for PLC and control system analog I/O
- Measure 4 to 20 mA output signals from transmitters without breaking the loop
- Best in class 0.2 % accuracy
- Resolution and sensitivity to 0.01 mA
- Hold function captures and displays changing measurements
- Dual backlit display with both mA measurement and percent of 4 to 20 mA span
- Measurement Spotlight illuminates hard to see wires in dark enclosures
- Detachable clamp with extension cable for measurements in tight locations
- Measure 10 to 50 mA signals in older control systems using the 99.9 mA range
- Automatic battery savings features
- Power, 15 minutes automatic power down
- Backlight, 2 minutes, automatic off
- Spotlight, 2 minutes, automatic off

Automatic battery saving features can be disabled if desired.

Sold by:



## Specifications



### Performance Specifications (1 Year)

| Range/Resolution                             | Accuracy                       | Features                                       | Note                                                               |
|----------------------------------------------|--------------------------------|------------------------------------------------|--------------------------------------------------------------------|
| -20.99 mA to +20.99 mA                       | 0.2 % or reading<br>+ 5 counts | Zero, Hold, backlight<br>measurement spotlight | Use for measuring<br>and troubleshooting<br>4 mA to 20 mA signals  |
| -21.0 mA to -99.9 mA<br>+21.0 mA to +99.9 mA | 1 % reading<br>+ 5 counts      | Zero, Hold, backlight<br>measurement spotlight | Use for measuring<br>and troubleshooting<br>10 mA to 50 mA signals |

### Environmental, General Specifications

|                                  |                                                      |
|----------------------------------|------------------------------------------------------|
| Diameter of measurable conductor | 0.177 in or 4.5 mm max                               |
| Operating Temperature            | -10 °C to 55 °C                                      |
| Storage Temperature              | -25 °C to 70 °C                                      |
| Operating Humidity               | < 95 % @ < 30 °C, < 75 % @ 30 °C to 55 °C            |
| Operating Altitude               | 0 m to 2000 m                                        |
| IP Rating                        | IP 40                                                |
| Size                             | 59 mm x 38 mm x 212 mm, (2.32 in x 1.5 in x 8.35 in) |
| Weight                           | 260 g, (9.1 oz)                                      |
| Vibration                        | Random 2 g, 5 Hz to 500 Hz                           |
| Shock                            | 1 meter drop test (except the jaw)                   |
| EMI, RFI, EMC                    | Meets EN61326-1                                      |
| Temperature Coefficients         | 0.01 % / °C                                          |
| Power, battery life              | (2) AA 1.5 V Alkaline, IEC LR6, 40 hours typical     |

### Warranty

Three years for electronics, one year for clamp cable assembly

## Ordering Information

**Fluke-771** Milliamp Process  
Meter

#### Included Accessories

Soft carrying case  
User's manual



**Fluke.** *Keeping your world  
up and running.®*

**Fluke Corporation**  
PO Box 9090, Everett, WA USA 98206

**Fluke Europe B.V.**  
PO Box 1186, 5602 BD  
Eindhoven, The Netherlands

**For more information call:**  
In the U.S.A. (800) 443-5853 or  
Fax (425) 446-5116  
In Europe/M-East/Africa (31 40) 2 675 200 or  
Fax (31 40) 2 675 222  
In Canada (800)-36-FLUKE or  
Fax (905) 890-6866  
From other countries +1 (425) 446-5500 or  
Fax +1 (425) 446-5116  
Web access: <http://www.fluke.com>

©2006-2007 Fluke Corporation. Specifications subject  
to change without notice. Printed in U.S.A.  
10/2007 2772546 D-EN-N Rev B