

## P/N: TA72

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### Website

<http://www.flir.com>

### Customer support

<http://support.flir.com>

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|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                      |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|
| Part number                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | TA72                                                                                 |
| Name                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Large Universal Flex Current Probe Accessory                                         |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 10" (25 cm) 3000 A AC flexible current probe with universal mV output and worklights |
| The FLIR Universal Flex Current Probe accessories are designed to add capabilities, simplify challenges, and get the best readings with your existing meter. Made with a narrow flexible coil clamp and locking mechanism, the FLIR TA72 and TA74 let you easily take measurements in tight or awkward spots—a difficult task with a traditional hard jaw clamp meter. The connection is a standard banana plug and the output is a voltage signal, so it's compatible with most DMMs and clamp meters, regardless of brand. |                                                                                      |
| Take accurate measurements in tight or awkward spots—tricky conductors conquered: <ul style="list-style-type: none"> <li>Snake the coil around obstacles with ease, even in deep, crowded cabinets.</li> <li>Measure multiple conductors and targets with limited clearance.</li> <li>Switchable AC current range: 30 A, 300 A, and 3000 A.</li> </ul>                                                                                                                                                                       |                                                                                      |
| Empower your meter—compatible with most DMMs and clamp meters, regardless of brand: <ul style="list-style-type: none"> <li>Adds 3000 A AC measurements to existing meters.</li> <li>Standard banana plug connectors fit most meters.</li> <li>AC voltage output for wide compatibility.</li> </ul>                                                                                                                                                                                                                           |                                                                                      |
| Easy inspection and navigation—designed with your convenience in mind: <ul style="list-style-type: none"> <li>Bright, dual-LED worklights provide built-in illumination for dark cabinets.</li> <li>Rugged design drop-tested to 3 m, portable, and lightweight.</li> </ul>                                                                                                                                                                                                                                                  |                                                                                      |
| Minimum requirements for meter compatibility with TA7x                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | AC voltage function, 4000-count display, 1 mV resolution                             |
| Suitable main units                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | DM93, DM92                                                                           |
| <b>Measurement</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                      |
| Maximum AC                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 3000 A AC                                                                            |
| AC ranges and resolution                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 30.00 A, 300.0 A, 3000 A                                                             |
| Basic AC accuracy (full scale)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | ±3.0% + 5 digits                                                                     |
| Measurement rate                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 1.5 samples per second, nominal                                                      |
| AC bandwidth                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 45–500 Hz (sine wave)                                                                |
| Detailed accuracy                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 30.00 A ± (3.0% + 5 digits), 300.0 A ± (3.0% + 5 digits), 3000 A ± (3.0% + 5 digits) |
| Positional error (distance from optimum)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 15 mm (0.6") ± 2.0%, 25 mm (1.0") ± 2.5%, 35 mm (1.4") ± 3.0%                        |



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| Meter data                          |                                                                                   |
|-------------------------------------|-----------------------------------------------------------------------------------|
| Maximum conductor diameter          | 6 cm (2.4")                                                                       |
| Flex cable length                   | 25 cm (10")                                                                       |
| Coil bend radius                    | 38 mm (1.5")                                                                      |
| Coil diameter                       | 7.5 mm (0.3")                                                                     |
| Coil tip diameter                   | 13 mm (0.5")                                                                      |
| Probe length                        | 1.9 m (73")                                                                       |
| Worklight                           | Two white LEDs                                                                    |
| Power system                        |                                                                                   |
| Power supply                        | 2 × 1.5 V AAA                                                                     |
| Battery life                        | 160 hours with alkaline batteries (calculated)                                    |
| Auto power off                      | Approximately 10 minutes after power on or disable                                |
| Environmental                       |                                                                                   |
| Drop test                           | 3 m (9.8')                                                                        |
| IP rating                           | IP54 dust-protected and splash-resistant                                          |
| Maximum operating altitude          | 2000 m (6562')                                                                    |
| Operating temperature               | 0–50°C (32–122°F)                                                                 |
| Operating humidity                  | Maximum 80% up to 35°C (95°F) decreasing linearly to 60% at 45°C (113°F)          |
| Temperature coefficient             | 0.2 × specified accuracy/°C, <64.5°F (18°C), >82.4°F (28°C)                       |
| Storage temperature                 | –20 to +60°C (–4 to +140°F) without batteries                                     |
| Storage humidity                    | 80% relative humidity (maximum)                                                   |
| Certifications                      |                                                                                   |
| Agency approvals                    | RCM, CSA, KC                                                                      |
| Safety compliance                   | CAT IV—600 V, CAT III—1000 V                                                      |
| Standards                           | EN61010-1, EN61010-2-032, EN61326-1                                               |
| Physical data                       |                                                                                   |
| Dimensions (W × H × D)              | 120 mm × 280 mm × 25 mm (4.7" × 11.0" × 1.0")                                     |
| Weight                              | 170 g (6.0 oz.) with batteries                                                    |
| Warranty                            |                                                                                   |
| Warranty                            | <a href="https://www.flir.com/testwarranty">https://www.flir.com/testwarranty</a> |
| Shipping                            |                                                                                   |
| Packaging type                      | Color box                                                                         |
| Packaging contents                  | TA72, 2 × AAA 1.5 V Energizer batteries, quick start guide, user manual on CD     |
| Packaging weight                    | 0.61 kg                                                                           |
| Packaging dimensions (L × W × H)    | 32 cm × 18.5 cm × 6.8 cm                                                          |
| Inner carton quantity               | 3                                                                                 |
| Inner carton weight                 | 1.94 kg                                                                           |
| Inner carton dimensions (L × W × H) | 59.5 cm × 6.3 cm × 20.3 cm                                                        |
| Master carton quantity              | 12                                                                                |



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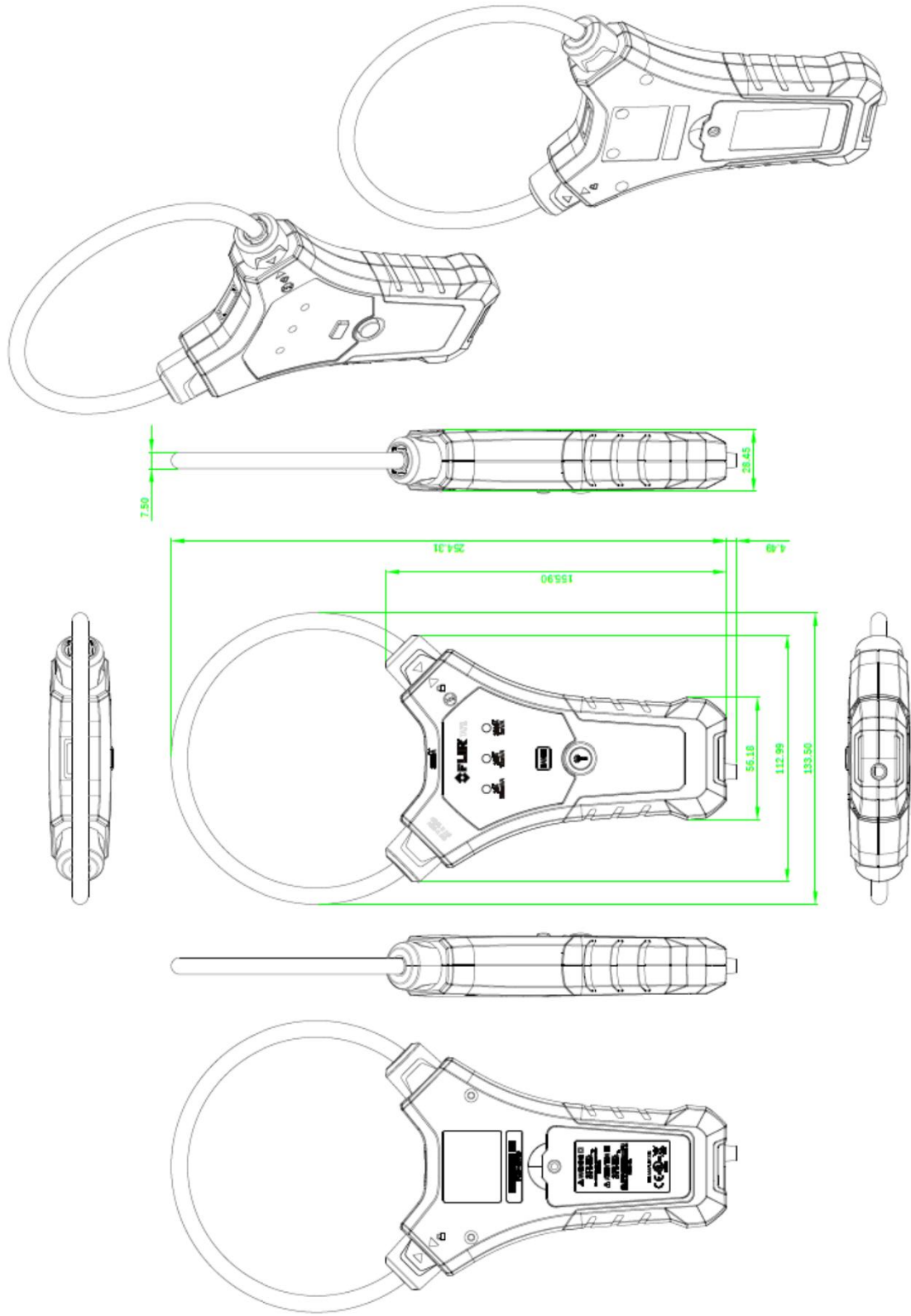
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| Shipping                             |                                                               |
|--------------------------------------|---------------------------------------------------------------|
| Master carton weight                 | 9.5 kg                                                        |
| Master carton dimensions (L x W x H) | 61 cm x 50 cm x 22 cm                                         |
| EAN-13                               | 0793950377727                                                 |
| UPC-12                               | 793950377727                                                  |
| Country of origin                    | Taiwan                                                        |
| Tariff code                          | 9030908821                                                    |
| Technical support                    |                                                               |
| Website                              | <a href="http://support.flir.com">http://support.flir.com</a> |

### Compatible with the following products:

- CM174; FLIR CM174: Imaging 600A AC/DC Clamp Meter with IGM
- CM275; FLIR CM275: Industrial Thermal Imaging Clamp Meter with Datalogging, Wireless Connectivity, and IGM
- CM65; FLIR CM65: True RMS 600A Solar Clamp Meter with METERLiNK
- CM72; FLIR CM72: Commercial 600A AC Clamp Meter
- CM74; FLIR CM74: Commercial 600A AC/DC Clamp Meter
- DM166; FLIR DM166: Thermal Imaging TRMS Multimeter with IGM
- DM284; FLIR DM284: Imaging Multimeter with IGM
- DM90; FLIR DM90
- DM91; FLIR DM91: Industrial TRMS Multimeter with Datalogging and Wireless Connectivity
- DM92; FLIR DM92: Industrial Digital Multimeter with LoZ and VFD Mode
- DM93; FLIR DM93: True RMS Industrial Multimeter
- DM285; Industrial Thermal Imaging Multimeter with Datalogging, Wireless Connectivity, and IGM
- DM286; Industrial Thermal Imaging Multimeter with Datalogging, Wireless Connectivity, and IGM

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|----------------------------|-----------------|
| Thursday, April 23, 2015   | T&M Engineering |
| Description                |                 |
| FLIR TA72 Flex Clamp Probe |                 |