

P/N: TA74

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Website

<http://www.flir.com>

Customer support

<http://support.flir.com>

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| Part number | TA74 |
| Name | Large Universal Flex Current Probe Accessory |
| Description | 18" (45 cm) 3000 A AC flexible current probe with universal mV output and worklights |
| <p>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.</p> | |
| <p>Take accurate measurements in tight or awkward spots—tricky conductors conquered:</p> <ul style="list-style-type: none"> • Snake the coil around obstacles with ease, even in deep, crowded cabinets. • Measure multiple conductors and targets with limited clearance. • Switchable AC current range: 30 A, 300 A, and 3000 A. | |
| <p>Empower your meter—compatible with most DMMs and clamp meters, regardless of brand:</p> <ul style="list-style-type: none"> • Adds 3000 A AC measurements to existing meters. • Standard banana plug connectors fit most meters. • AC voltage output for wide compatibility. | |
| <p>Easy inspection and navigation—designed with your convenience in mind:</p> <ul style="list-style-type: none"> • Bright, dual-LED worklights provide built-in illumination for dark cabinets. • Rugged design drop-tested to 3 m, portable, and lightweight. | |
| Minimum requirements for meter compatibility with TA7x | AC voltage function, 4000-count display, 1 mV resolution |
| Suitable main units | DM93, DM92 |
| Measurement | |
| 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) | 35 mm (1.4") ± 1.0%, 50 mm (2.0") ± 1.5%, 60 mm (2.4") ± 2.0% |



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#TA74; r. 64536;

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| Meter data | |
| Maximum conductor diameter | 12 cm (4.7") |
| Flex cable length | 45.7 cm (18") |
| Coil bend radius | 80 mm (3.1") |
| 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), $>82.4^{\circ}\text{F}$ (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) | 130 mm × 350 mm × 25 mm (5.1" × 13.8" × 1.0") |
| Weight | 200 g (7.1 oz.) with batteries |
| Warranty | |
| Warranty | https://www.flir.com/testwarranty |
| Shipping | |
| Packaging type | Color box |
| Packaging contents | TA74, 2 × AAA 1.5 V Energizer batteries, quick start guide, user manual on CD |
| Packaging weight | 0.62 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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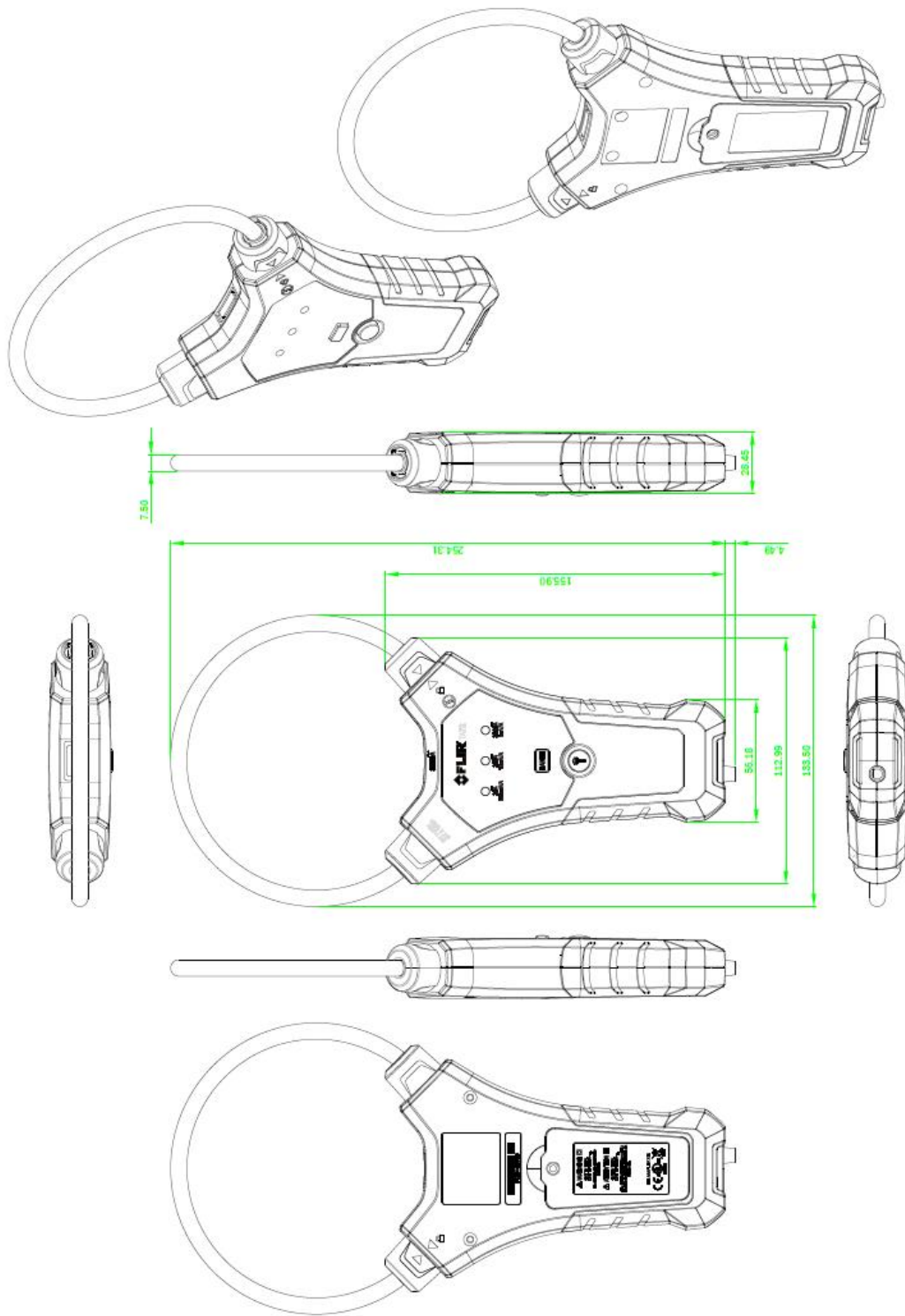
#TA74; r. 64536;

| 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 | 0793950377741 |
| UPC-12 | 793950377741 |
| Country of origin | Taiwan |
| Tariff code | 9030908821 |
| Technical support | |
| Website | http://support.flir.com |

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
- DM285; FLIR DM285: Industrial Thermal Imaging Multimeter with Datalogging, Wireless Connectivity, and 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

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| Modified Date Thursday, April 23, 2015 | Modified By T&M Engineering |
| Description FLIR TA74 Flex Clamp Probe | |