

Current Transformer

RFQ Checklist & Selection Quick Reference

Share as much of the detail below as you can — the more we have, the faster one dedicated engineer can return a proposed design and indicative pricing (typically within 48 hours). P&A International is an engineering-led contract manufacturer; every supplier in our network is ISO 9000 certified or better.

1. What to send us for a fast, accurate quote

- Primary current range and rated current
- Secondary output (5 A / 1 A / mA / voltage) and burden
- Accuracy class and phase-error requirement
- Format (ring / split-core / PCB) and conductor / window size
- Frequency and any saturation / fault-current requirement
- Target cost and annual volume or call-off pattern
- Any reference design, competitor part number or physical sample

2. Which current-transformer type? - quick reference

Option	Best for
Measurement CT	High accuracy for metering and monitoring.
Protection CT	Stays linear through fault currents for relays.
Split-core	Clamp-on, retrofit current sensing.
PCB-mount	Board-level current sensing in power electronics.

3. Design factors that shape the quote

- **Measurement vs protection:** accuracy at rated current vs linearity through faults.
- **Ratio & burden:** primary current, secondary and meter/relay burden set turns and core.
- **Accuracy & phase error:** your class sets core material and size.
- **Core material:** nanocrystalline / permalloy / ferrite / Si-steel for linearity and frequency.
- **Format:** ring, split-core or PCB-mount to your conductor and board.

Send your completed checklist (and any drawing or sample) and one dedicated engineer will respond with a proposed design and indicative pricing. No project too big or too small.

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