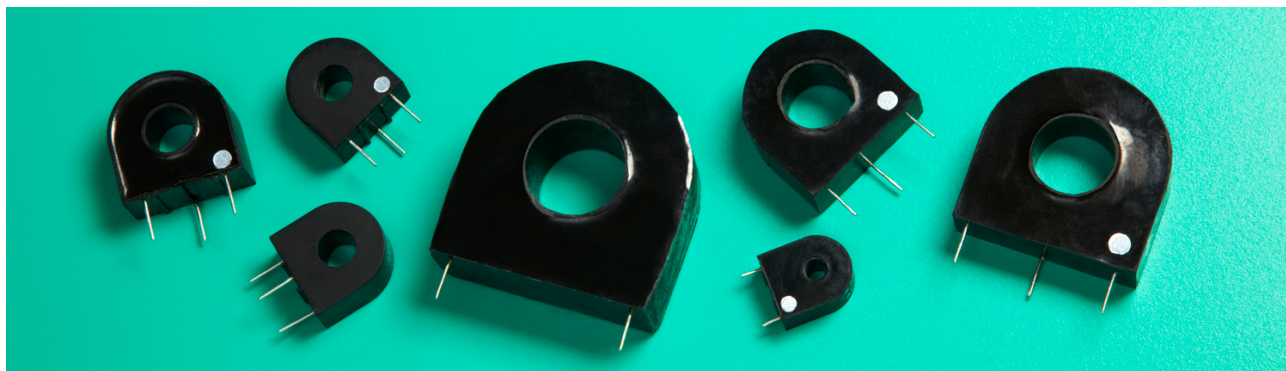
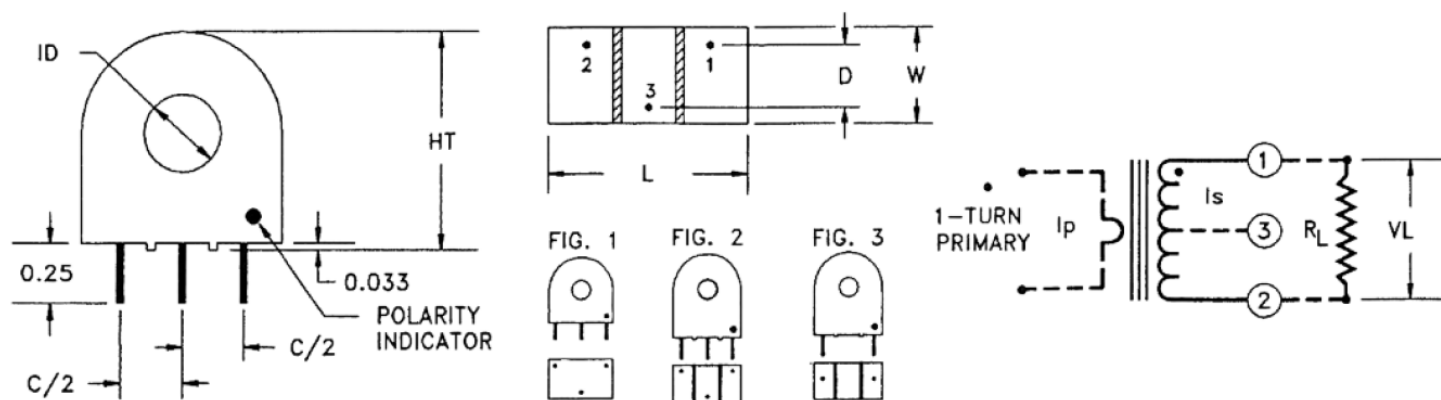


# Current Sense Transformers

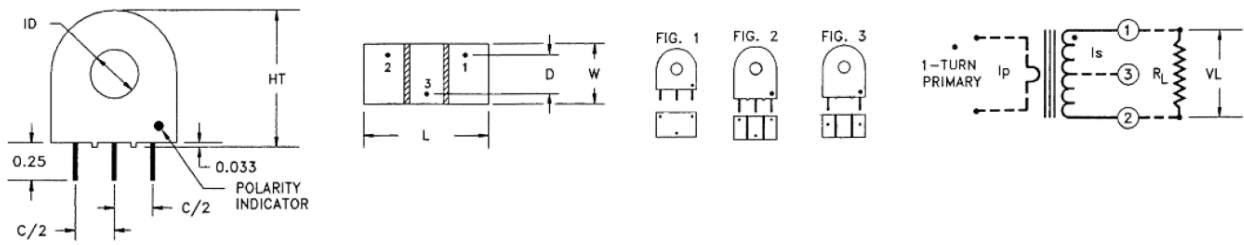


API Technologies offers a wide range of current sense transformers that measure electrical current (AC & DC) and can transform current from high to low measurable values. API series 5300 current sense transformers are available with current ranges from 3.5 Amps to 800 Amps in six subcategories of current sense transformers. You will find current sense transformers in advanced fault tolerant computers and workstations, control panels reading current flowing to electric transformer, telecom and communications.



| Part No.                  | VL  | Ip  | V/A   | RL<br>Ω | Watt  | RS | RCF<br>@10% | Iex<br>μARMS | Vex<br>VRMS | Wt.<br>Lb. | L     | ID (Min) | Potted Dimensions |     |     |     | Fig |
|---------------------------|-----|-----|-------|---------|-------|----|-------------|--------------|-------------|------------|-------|----------|-------------------|-----|-----|-----|-----|
| HT                        | W   | C   | D     |         |       |    |             |              |             |            |       |          |                   |     |     |     |     |
| Standard Accuracy Mini CT |     |     |       |         |       |    |             |              |             |            |       |          |                   |     |     |     |     |
| 5300-0005                 | 2.0 | 5   | .4000 | 400     | .0100 | 79 | 1.093       | 572          | 2.38        | .019       | .660  | .177     | .795              | .37 | .50 | -   | 3   |
| 5300-0010                 | 2.0 | 10  | .2000 | 200     | .0200 | 83 | 1.048       | 608          | 2.83        | .019       | .660  | .177     | .795              | .37 | .50 | -   | 3   |
| 5300-0020                 | 2.0 | 20  | .1000 | 100     | .0400 | 85 | 1.027       | 731          | 3.70        | .019       | .660  | .177     | .795              | .37 | .50 | -   | 3   |
| 5300-1030                 | 3.0 | 30  | .1000 | 100     | .0900 | 44 | 1.023       | 853          | 4.32        | .040       | .931  | .370     | .990              | .50 | .60 | .30 | 2   |
| 5300-2050                 | 2.5 | 50  | .0500 | 33      | .1890 | 17 | 1.015       | 1510         | 3.76        | .062       | .931  | .370     | .990              | .72 | .60 | .30 | 2   |
| 5300-3011                 | 2.5 | 100 | .0250 | 15      | .4170 | 8  | 1.009       | 1650         | 3.88        | .117       | 1.187 | .500     | 1.219             | .72 | .80 | .40 | 2   |
| Wide Range Mini CT        |     |     |       |         |       |    |             |              |             |            |       |          |                   |     |     |     |     |
| 5300-0405                 | 0.5 | 5   | .1000 | 100     | .0025 | 84 | 1.064       | 281          | 0.92        | .019       | .660  | .177     | .795              | .37 | .50 | -   | 3   |
| 5300-0410                 | 1.0 | 10  | .1000 | 100     | .0100 | 85 | 1.050       | 440          | 1.85        | .019       | .660  | .177     | .795              | .37 | .50 | -   | 3   |
| 5300-0420                 | 2.0 | 20  | .1000 | 100     | .0400 | 86 | 1.040       | 689          | 3.72        | .019       | .660  | .177     | .795              | .37 | .50 | -   | 3   |

## Current Sense Transformers



| Part No. | VL | Ip | V/A | RL<br>Ω | Watt | RS | RCF<br>@10% | Iex<br>μARMS | Vex<br>VRMS | Wt.<br>Lb. | L | ID (Min) | Potted Dimensions |   |   |  | D | Fig |
|----------|----|----|-----|---------|------|----|-------------|--------------|-------------|------------|---|----------|-------------------|---|---|--|---|-----|
|          |    |    |     |         |      |    |             |              |             |            |   |          | HT                | W | C |  |   |     |

### Standard Accuracy Economy Series

|      |      |     |       |     |        |    |       |      |       |      |       |      |       |      |      |     |   |
|------|------|-----|-------|-----|--------|----|-------|------|-------|------|-------|------|-------|------|------|-----|---|
| 5301 | 0.5  | 5   | .1000 | 100 | .0025  | 42 | 1.041 | 237  | 0.66  | .040 | 0.931 | .355 | .990  | .492 | .60  | .30 | 2 |
| 5302 | 1.0  | 10  | .1000 | 100 | .0100  | 42 | 1.034 | 386  | 1.32  | .040 | 0.931 | .355 | .990  | .492 | .60  | .30 | 2 |
| 5303 | 1.5  | 15  | .1000 | 100 | .0230  | 42 | 1.030 | 513  | 1.99  | .040 | 0.931 | .355 | .990  | .492 | .60  | .30 | 2 |
| 5304 | 2.0  | 20  | .1000 | 100 | .0400  | 42 | 1.028 | 628  | 2.65  | .040 | 0.931 | .355 | .990  | .492 | .60  | .30 | 2 |
| 5305 | 2.5  | 25  | .1000 | 100 | .0630  | 46 | 1.020 | 566  | 3.65  | .088 | 1.188 | .460 | 1.22  | .56  | .80  | .40 | 1 |
| 5306 | 3.0  | 30  | .1000 | 100 | .0900  | 46 | 1.018 | 644  | 4.38  | .088 | 1.188 | .460 | 1.22  | .56  | .80  | .40 | 1 |
| 5307 | 4.0  | 40  | .1000 | 100 | .1600  | 46 | 1.020 | 914  | 5.82  | .105 | 1.38  | .625 | 1.38  | .56  | 1.00 | .40 | 1 |
| 5308 | 5.0  | 50  | .1000 | 100 | .2500  | 46 | 1.019 | 1090 | 7.28  | .105 | 1.38  | .625 | 1.38  | .56  | 1.00 | .40 | 1 |
| 5309 | 6.0  | 60  | .1000 | 100 | .3600  | 24 | 1.018 | 1250 | 7.41  | .129 | 1.500 | .688 | 1.500 | .56  | 1.20 | .40 | 1 |
| 5310 | 7.5  | 75  | .1000 | 100 | .5700  | 24 | 1.016 | 1520 | 9.26  | .129 | 1.500 | .688 | 1.500 | .56  | 1.20 | .40 | 1 |
| 5311 | 10.0 | 100 | .1000 | 100 | 1.0000 | 21 | 1.014 | 1740 | 12.00 | .191 | 1.750 | .750 | 1.750 | .61  | 1.40 | .40 | 1 |
| 5312 | 15.0 | 150 | .1000 | 100 | 2.2500 | 11 | 1.011 | 1820 | 16.60 | .442 | 2.188 | .938 | 2.188 | .81  | 1.80 | .50 | 1 |
| 5313 | 20.0 | 200 | .1000 | 100 | 4.0000 | 11 | 1.009 | 2340 | 22.20 | .300 | 2.188 | .938 | 2.188 | .81  | 1.80 | .50 | 1 |

### High Accuracy Mini CT

|      |     |     |       |     |       |     |       |     |      |      |      |      |      |     |     |     |   |
|------|-----|-----|-------|-----|-------|-----|-------|-----|------|------|------|------|------|-----|-----|-----|---|
| 5326 | 0.7 | 3.5 | .2000 | 200 | .0025 | 76  | 1.030 | 88  | 0.97 | .028 | .660 | .177 | .795 | .72 | .50 | .32 | 2 |
| 5327 | 0.5 | 5   | .1000 | 100 | .0025 | 49  | 1.015 | 183 | 0.74 | .015 | .660 | .177 | .795 | .37 | .50 | -   | 3 |
| 5328 | 1.0 | 5   | .2000 | 200 | .0050 | 61  | 1.013 | 158 | 1.31 | .028 | .660 | .177 | .795 | .72 | .50 | .32 | 2 |
| 5329 | 0.5 | 10  | .0500 | 100 | .0025 | 213 | 1.006 | 74  | 1.57 | .015 | .660 | .177 | .795 | .37 | .50 | -   | 3 |
| 5330 | 1.0 | 10  | .1000 | 200 | .0050 | 252 | 1.009 | 58  | 2.26 | .028 | .660 | .177 | .795 | .72 | .50 | .32 | 2 |

### High Accuracy Compact Series

|           |     |    |       |     |       |     |       |     |       |      |       |       |       |     |      |     |   |
|-----------|-----|----|-------|-----|-------|-----|-------|-----|-------|------|-------|-------|-------|-----|------|-----|---|
| 5351      | 0.5 | 5  | .1000 | 100 | .0025 | 42  | 1.033 | 65  | 0.707 | .055 | 1.060 | .188  | 1.060 | .56 | 0.80 | .40 | 1 |
| 5352      | 1.0 | 10 | .1000 | 100 | .0100 | 42  | 1.019 | 108 | 1.41  | .055 | 1.060 | .188  | 1.060 | .56 | 0.80 | .40 | 1 |
| 5353      | 1.5 | 15 | .1000 | 100 | .0230 | 45  | 1.016 | 143 | 2.13  | .082 | 1.250 | .375  | 1.250 | .56 | 1.00 | .40 | 1 |
| 5354      | 2.0 | 20 | .1000 | 100 | .0400 | 45  | 1.011 | 189 | 2.89  | .082 | 1.250 | .375  | 1.250 | .56 | 1.00 | .40 | 1 |
| 5355      | 2.5 | 25 | .1000 | 100 | .0630 | 53  | 1.009 | 193 | 3.83  | .120 | 1.375 | .500  | 1.370 | .62 | 1.00 | .50 | 1 |
| 5356      | 3.0 | 30 | .1000 | 100 | .0900 | 53  | 1.008 | 249 | 4.60  | .120 | 1.375 | .500  | 1.370 | .62 | 1.00 | .50 | 1 |
| 5300-4240 | 2.0 | 40 | .0500 | 100 | .0400 | 127 | 1.012 | 267 | 4.54  | .120 | 1.870 | 1.000 | 1.870 | .56 | 1.50 | .50 | 1 |
| 5300-4250 | 2.5 | 50 | .0500 | 100 | .0630 | 127 | 1.010 | 542 | 5.65  | .120 | 1.870 | 1.000 | 1.870 | .56 | 1.50 | .50 | 1 |

### Digital Metering CT

|      |     |     |       |   |       |     |       |      |      |      |       |       |       |     |   |   |   |
|------|-----|-----|-------|---|-------|-----|-------|------|------|------|-------|-------|-------|-----|---|---|---|
| 5381 | 0.2 | 60  | .0033 | 1 | .0400 | 2.1 | 1.013 | 1230 | 0.62 | .100 | 1.500 | .688  | 1.500 | .56 | - | - | - |
| 5382 | 0.2 | 120 | .0017 | 1 | .0400 | 4.5 | 1.006 | 520  | 2.64 | .120 | 1.500 | .688  | 1.500 | .56 | - | - | - |
| 5383 | 0.5 | 100 | .0050 | 5 | .0500 | 11  | 1.008 | 200  | 2.14 | .320 | 2.370 | .770  | 2.370 | .75 | - | - | - |
| 5384 | 0.5 | 200 | .0025 | 5 | .0500 | 24  | 1.004 | 97   | 2.40 | .390 | 2.370 | .770  | 2.370 | .75 | - | - | - |
| 5385 | 0.5 | 100 | .0050 | 5 | .0500 | 17  | 1.009 | 450  | 2.15 | .120 | 1.870 | 1.000 | 1.870 | .56 | - | - | - |

### Flip-Top

|        |     |     |       |     |       |     |       |    |      |      |       |      |       |     |   |   |   |
|--------|-----|-----|-------|-----|-------|-----|-------|----|------|------|-------|------|-------|-----|---|---|---|
| 53FT01 | 1.3 | 20  | .0667 | 220 | .0100 | 120 | 1.030 | 20 | 2.07 | .230 | 1.750 | .380 | 1.800 | .85 | - | - | - |
| 53FT02 | 2.5 | 100 | .0250 | 25  | .2500 | 22  | 1.014 | 22 | 4.64 | .350 | 1.800 | .812 | 2.300 | .85 | - | - | - |

- Ip: Primary Current
- V/A: Output volts per input amps
- RL: Terminating resistor
- N: Nominal turns
- Rs: Winding resistance
- RCF (Ratio Correction Factor): Current readings should be multiplied by this factor to compensate for the effect of transformer loss
- Iex and vex: Excitation Current and Voltage at rated operating condition
- WT: Net weight in pounds
- Unless requested, the terminating resistor and one-turn primary are customer supplied
- Pin 3: Nominally for mechanical support only, will be used for center-topped designs



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Электрон  
Связь**

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