

# MODEL 622

## Current Transformer

Window Diameter 5.25"



REGULATORY AGENCY APPROVALS



Manufactured to meet the requirements of ANSI/IEEE C57.13.  
Classified by U.L. in accordance with IEC 44-1

### Application

Relaying and metering.

### Frequency

50-400 Hz.

### Insulation Level

600 Volts, 10 kV BIL full wave.

### Continuous Thermal Current Rating Factor

50:5-4000:5: 1.33 at 30°C. amb., 1.0 at 55°C. amb.

5000:5: 1.0 at 30°C. amb., 0.8 at 55°C. amb.

Secondary terminals are brass screws No. 10-32 with one flatwasher, lockwasher, accessible from either side.

Multi-ratios available on request.

Consult Factory

Approximate weight 31 lbs.

### Model 622

| CATALOG NUMBER | CURRENT RATIO | RELAY CLASS | ANSI METERING CLASS AT 60 Hz |      |      |      |      | SECONDARY WINDING RESISTANCE ( $\Omega$ @ 75°C) |
|----------------|---------------|-------------|------------------------------|------|------|------|------|-------------------------------------------------|
|                |               |             | B0.1                         | B0.2 | B0.5 | B0.9 | B1.8 |                                                 |
| 622-500        | 50:5          | C10         | 2.4                          | 4.8  | —    | —    | —    | 0.017                                           |
| 622-750        | 75:5          | C10         | 1.2                          | 2.4  | 4.8  | —    | —    | 0.026                                           |
| 622-101        | 100:5         | C20         | 0.6                          | 1.2  | 4.8  | 4.8  | —    | 0.034                                           |
| 622-151        | 150:5         | C20         | 0.6                          | 0.6  | 1.2  | 2.4  | 4.8  | 0.054                                           |
| 622-201        | 200:5         | C20         | 0.3                          | 0.3  | 0.6  | 1.2  | 2.4  | 0.071                                           |
| 622-251        | 250:5         | C50         | 0.3                          | 0.3  | 0.6  | 0.6  | 1.2  | 0.089                                           |
| 622-301        | 300:5         | C50         | 0.3                          | 0.3  | 0.6  | 0.6  | 1.2  | 0.107                                           |
| 622-401        | 400:5         | C100        | 0.3                          | 0.3  | 0.3  | 0.6  | 0.6  | 0.143                                           |
| 622-501        | 500:5         | C100        | 0.3                          | 0.3  | 0.3  | 0.6  | 0.6  | 0.179                                           |
| 622-601        | 600:5         | C100        | 0.3                          | 0.3  | 0.3  | 0.3  | 0.3  | 0.214                                           |
| 622-801        | 800:5         | C200        | 0.3                          | 0.3  | 0.3  | 0.3  | 0.3  | 0.286                                           |
| 622-102        | 1000:5        | C200        | 0.3                          | 0.3  | 0.3  | 0.3  | 0.3  | 0.357                                           |
| 622-122        | 1200:5        | C200        | 0.3                          | 0.3  | 0.3  | 0.3  | 0.3  | 0.429                                           |



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|----------------|---------------|-------------|------------------------------|------|------|------|------|-------------------------------------------------|
|                |               |             | B0.1                         | B0.2 | B0.5 | B0.9 | B1.8 |                                                 |
| 622-152        | 1500:5        | C200        | 0.3                          | 0.3  | 0.3  | 0.3  | 0.3  | 0.497                                           |
| 622-162        | 1600:5        | C200        | 0.3                          | 0.3  | 0.3  | 0.3  | 0.3  | 0.531                                           |
| 622-202        | 2000:5        | C200        | 0.3                          | 0.3  | 0.3  | 0.3  | 0.3  | 0.663                                           |
| 622-252        | 2500:5        | C400        | 0.3                          | 0.3  | 0.3  | 0.3  | 0.3  | 0.829                                           |
| 622-302        | 3000:5        | C400        | 0.3                          | 0.3  | 0.3  | 0.3  | 0.3  | 0.919                                           |
| 622-322        | 3200:5        | C400        | 0.3                          | 0.3  | 0.3  | 0.3  | 0.3  | 0.980                                           |
| 622-402        | 4000:5        | C400        | 0.3                          | 0.3  | 0.3  | 0.3  | 0.3  | 1.531                                           |
| 622-502        | 5000:5        | C400        | 0.3                          | 0.3  | 0.3  | 0.3  | 0.3  | 1.999                                           |

