Department of consumer and corporate affairs / Ministère de la consommation et des corporations

STANDARDS BRANCH – DIRECTION DES NORMES

# NOTICE OF APPROVAL

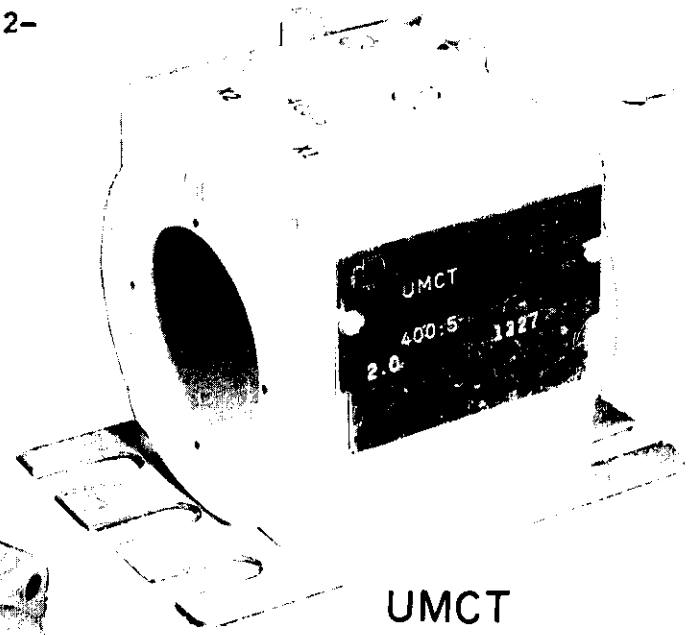
T-82

OTTAWA March 5, 1973.

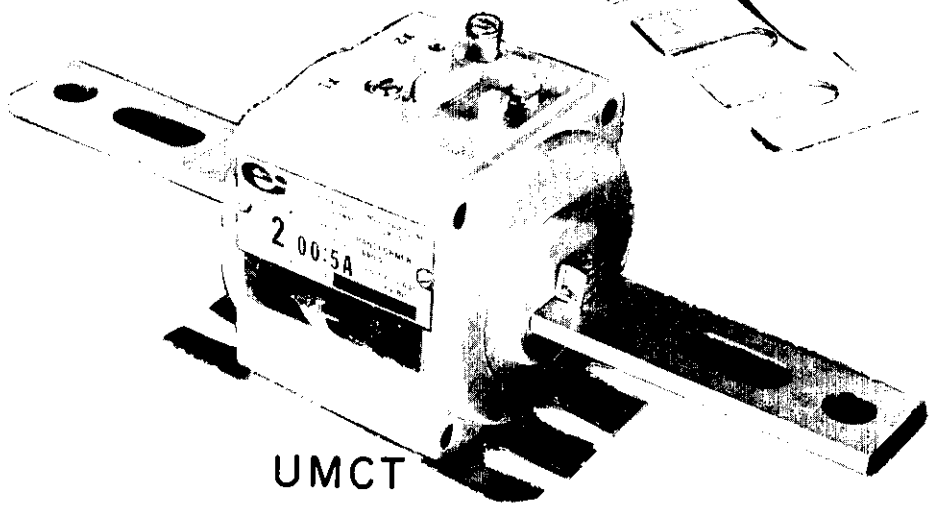
ELECTROMAGNETIC INDUSTRIES TYPES "UMCT", "UCT" AND "U-130"
CURRENT TRANSFORMERS

| | |
|---|---|
| Primary Currents | |
| UMCT | 200, 300, 400, 500, 600, 800 amperes |
| UCT | 200, 300, 400, 500, 600, 800, 1000, 1200 amperes |
| U-130 | 800, 1000, 1200, 1500, 2000, 2500, 3000, 4000 amperes |
| Secondary Current | 5 amperes |
| Accuracy Rating at 60 Hz | |
| UMCT | |
| 200, 300 amperes | 0.3B0.1*, B0.2*; 0.6B0.5* |
| 400, 500, 600 amperes | 0.3B0.1*, B0.2*, B0.5*; 0.6B0.9 |
| 800 amperes | 0.3B0.1, B0.2, B0.5, B0.9; 0.6B1.0, B1.8, B2.0 |
| UCT | |
| 200 amperes | 0.3B0.1, B0.2* |
| 300 amperes | 0.3B0.1, B0.2, B0.5*; 0.6B0.9 |
| 400–500 amperes | 0.3B0.1, B0.2, B0.5*, B0.9; 0.6B1.0, B1.8 |
| 600 amperes | 0.3B0.1, B0.2, B0.5*, B0.9, B1.0*; 0.6B1.8 |
| 800, 1000, 1200 amperes | 0.3B0.1, B0.2, B0.5*, B0.9, B1.0*, B1.8; 0.6B2.0 |
| U-130 | |
| 800 amperes | 0.3B0.1*, B0.2*, B0.5*, B0.9, B1.0; 0.6B1.8, B2.0 |
| 1000 amperes | 0.3B0.1*, B0.2*, B0.5*, B0.9, B1.0, B1.8; 0.6B2.0* |
| All others | 0.3B0.1, B0.2, B0.5, B0.9, B1.0, B1.8, B2.0 |
| Frequency | 60 Hz |
| R.F. (rating factor) | |
| UMCT | |
| 200 to 600 amperes | 2.0 |
| 800 amperes | 1.5 |

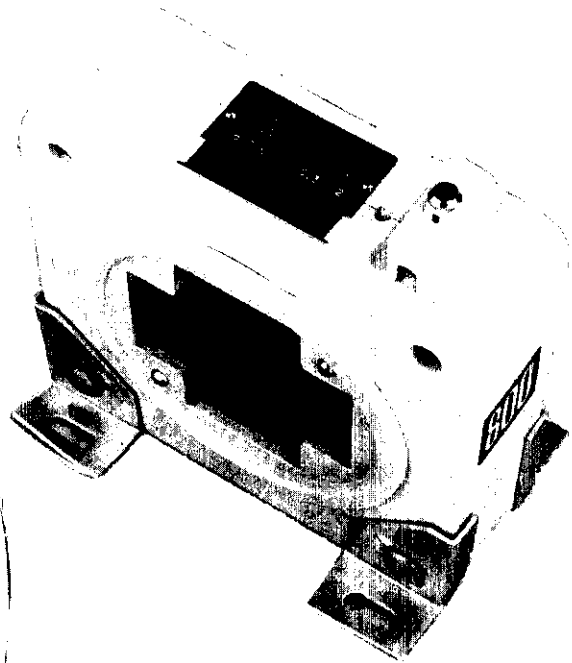
... 2



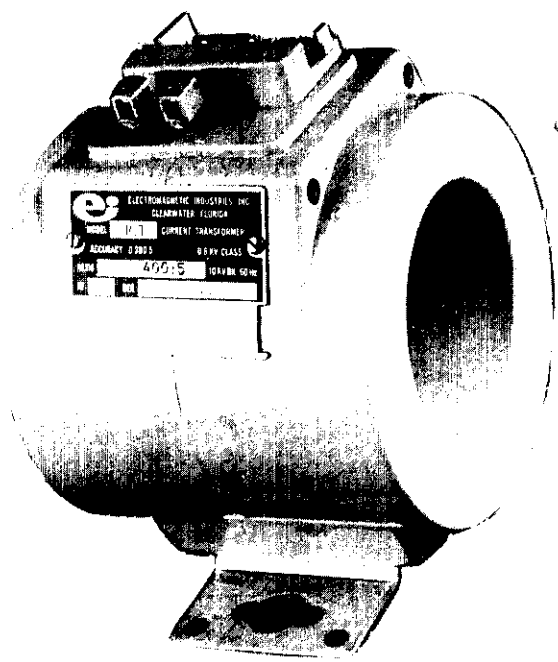

UMCT




UMCT




U-130




UCT

| | |
|---|---|
| UCT | |
| 300 to 1000 amperes | 2.0 |
| 1200 amperes | 1.5 |
| U-130 | |
| 800 to 2000 amperes | 2.0 |
| 2500, 3000 amperes | 1.5 |
| 4000 amperes | 1.33 |
| Nominal Voltage Class | 600 volts |
| Wire | 2 |
| Style | Window type, moulded, indoor/outdoor |

* Accuracy rating marked on the nameplate

## Description

These transformers are window type with a single secondary winding wound on a core of grain-oriented steel.

The space around the core and winding is potted with epoxy resin for high mechanical, impact and dielectric strength.

Types UMCT and UCT are equipped with manually-operated short-circuiting devices, type U-130 has none.

Types UMCT and UCT may be supplied with or without a primary bar assembly and with a high or low base.

The primary entrance side is marked "H1" and the secondary terminals are identified by "X1" and "X2" moulded in the body adjacent to their respective terminals with "X1" having the same polarity as "H1".

The nameplate of the type UCT illustrated on page 2 shows a rating factor of 4.0. This will be changed to R.F. 2.0 on units for use in Canada.

Approval granted to:

Electromagnetic Industries, Inc.,
Clearwater, Florida, U.S.A.

J.S.T. Swanson, P. Eng.,
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