



NOTICE OF APPROVAL
AVIS D'APPROBATION

S.WA-787

Ottawa, April 18, 1978

NEPTUNE - METER REGISTERS - 400 SERIES

MANUFACTURER: Neptune Meters Limited
3526 Lakeshore Blvd. West
Toronto, Ontario

DEVICES APPROVED: Meter Registers, models as listed below:

| <u>Register Model</u> | <u>Description</u> |
|-----------------------|---|
| 431 441 | Odometer type direct reading register with five large numeral resettable counter wheels and a 7-digit cumulative totalizer. Model 431 affords readings up to 9999.9 gallons. Model 441 affords readings up to 99,999 gallons or litres or 9,999,900 litres. |
| 432 442 | Odometer type register - same as Models 431 and 441 with addition of Auto-Stop mechanism. Auto-Stop can be provided settable to cut off at up to 9999 gallons (Model 432), 99,990 gallons or litres (Model 442). |
| 433 443 | Odometer type register - same as Models 431 and 441 with addition of Print-O-Meter. Provides printed record as:- A zero start printer recording up to 9999.9 gallons (Model 433), or 99,999 gallons or litres (Model 443) or 999,990 litres (Model 443). or A totalizer printer recording up to 99,999.9 gallons (Model 433), 999,999 gallons or litres (Model 443) or 9,999,990 litres (Model 443). |
| 434 444 | Odometer type register with both Auto-Stop and Print-O-Meter features of Model 432 and 433 (or 442 and 443). |
| 445 446 | Repeating Auto-Stop register, similar to Models 432 (442) and Model 434 (444) with capability of repeating quantity without repeated settings. |

Note: Models 431, 432, 433 and 434 may be equipped with special gearing such that one revolution of the right hand number wheel represents

Note: (continued)

3 gallons rather than 10 gallons as is standard. Meters so equipped have the designation "Code K," and are not convertible to metric.

APPLICATION: A register may be used with any type of Neptune meter for which it is recommended by the manufacturer.

SPECIAL CONDITIONS: Registers not equipped with ticket printers are restricted to use under the following conditions only:

- direct sales where both seller and buyer are present at the meter location at the time of delivery of the metered product;
- where predetermined quantities of liquid are pre-measured into barrels or other containers for later sale;
- as permitted by Ministerial Specifications.

Conversion of these registers from gallons to litres shall be in accordance with the publication of Sector 4.3 of the Metric Commission entitled "Metric Conversion of Petroleum Meters."

DESCRIPTION: This series of registers features a variety of options ranging from a simple direct reading indication of each delivery volume to automatic shut-off of flow, actuation of associated equipment, printed records of quantity delivered, and a repeating preset delivery feature.

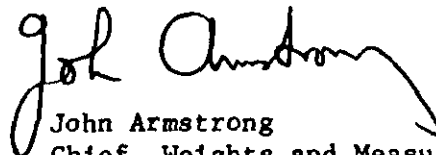
These registers are available for 1½ inch meters and larger. All models have resettable counter wheels and non-resettable totalizers that show the cumulative amount delivered. All models utilize the Neptune "change gear shifter" to perform meter calibration.

Registers equipped with the Print-O-Meter feature are able to provide a printed record of the volume delivered, with interlocking to ensure that the "start" print cannot be performed until the register has been reset to zero and that the delivery ticket cannot be removed from the register until the "finish" print is made.

TESTING: The standard tests with respect to meter registers shall apply.

REFERENCE: G6953-N2-32

CONDITIONS OF APPROVAL: Approval is granted under the Weights and Measures Act, S.C. 1970-71-72, Chapter 36, and the Weights and Measures Regulations, P.C.1974-1461 of June 27, 1974 for use in Canada under the general conditions of the said Regulations, and under any special conditions listed above.



John Armstrong
Chief, Weights and Measures
Legal Metrology Branch