

# National Standards Commission



## Supplementary Certificate of Approval

No S217A

Issued under Regulation 9  
of the  
National Measurement (Patterns of Measuring Instruments) Regulations

This is to certify that an approval for use for trade has been granted in respect of the

Schlumberger Model 843 Bulk Flowmeter Indicator

submitted by Norman J Hurl & Company (Australia) Pty Limited  
14 Aristoc Road  
Glen Waverley VIC 3150.

This Certificate is issued upon completion of a review of NSC approval No S217.

Signed and sealed by a person authorised under Regulation 9 of the National Measurement (Patterns of Measuring Instruments) Regulations to exercise the powers and functions of the Commission under this Regulation.

A handwritten signature in black ink, appearing to read 'J. Bush'.

### CONDITIONS OF APPROVAL

This approval is subject to review on or after 1/6/97.

This approval expires in respect of new instruments on 1/6/98.

Instruments purporting to comply with this approval shall be marked NSC No S217A and only by persons authorised by the submitter.

Instruments incorporating a component purporting to comply with this approval shall be marked NSC No S217A in addition to the approval number of the instrument.

It is the submitter's responsibility to ensure that all instruments marked with this approval number are constructed as described in the documentation lodged with the Commission and with the relevant Certificate of Approval and Technical Schedule. Failure to comply with this Condition may attract penalties under Section 19B of the National Measurement Act and may result in cancellation or withdrawal of the approval, in accordance with the Commission's Document 106.

Auxiliary devices used with this instrument shall comply with the requirements of General Supplementary Certificate No S1/0/A.

The Commission reserves the right to examine any instrument or component of an instrument purporting to comply with this approval.

### DESCRIPTIVE ADVICE

**Pattern:** approved 26/5/92

. A Schlumberger model 843 zero-start mechanical bulk flowmeter indicator/printer. The instrument may also be known as a Neptune.

**Variant:** approved 26/5/92

1. Model 841 indicator.

Technical Schedule No S217A describes the pattern and variant 1.

### FILING ADVICE

The documentation for this approval comprises:

Supplementary Certificate of Approval No S217A dated 3/7/92  
Technical Schedule No S217A dated 3/7/92 (incl. Test Procedure)  
Figure 1 dated 3/7/92



# National Standards Commission

## TECHNICAL SCHEDULE No S217A

**Pattern:** Schlumberger Model 843 Bulk Flowmeter Indicator.

**Submittor:** Norman J Hurl & Company (Australia) Pty Limited  
14 Aristoc Road  
Glen Waverley VIC 3150.

### 1. Description of Pattern

A Schlumberger model 843 zero-start mechanical indicator (Figure 1), with integral change-gear calibration system, which may be fitted to any compatible Commission-approved bulk flowmeter, in either mobile or fixed installations. The indicator is fitted with a zero-start or accumulative-start printer, and may also be known as a Neptune.

#### 1.1 Specifications

The indicator has five elements indicating volume in 1 litre increments with the first element marked and numbered 0 to 9. To reset the indicator to zero, the handle is rotated in the clockwise direction; a shutter covers the indicator elements until resetting is completed.

The maximum speed of rotation of the right-hand element of the indicator/printer shall not exceed 200 rpm.

Volume (resettable)	99999 in 1 litre increments
Totaliser	99999999 in 1 litre increments

#### 1.2 Markings

Instruments shall be marked with the following data, together in one location:

Manufacturer's name or mark	
NSC approval number	NSC No S217A
Model number	
Serial number	

#### 1.3 Verification/Certification Provision

Provision is made for the application of a verification/certification mark.

### 2. Description of Variant 1

Without a printer, in which case it is known as a model 841 indicator.

## TEST PROCEDURE

Instruments shall be tested in conjunction with any tests specified in the approval documentation for the instrument to which the pattern is connected, as appropriate, and in accordance with any relevant tests specified in the Inspector's Handbook.

### **Maximum Permissible Errors at Verification/Certification**

The maximum permissible errors applicable are those applicable to the instrument to which the pattern is connected.

FIGURE S217A - 1



Schlumberger Model 843 Indicator/Printer