



S210  
3/11/86

# NATIONAL STANDARDS COMMISSION

## NATIONAL MEASUREMENT (PATTERNS OF INSTRUMENTS) REGULATIONS

### REGULATION 9

#### SUPPLEMENTARY CERTIFICATE OF APPROVAL No S210

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

Transducers Model B5223-50K-40M1 Load Cell

submitted by Transducers Inc  
14030 Bolsa Lane  
Cerritos, California 90701  
U S A.

#### Conditions of Approval

This approval is subject to review on or after 1/9/91.

This approval expires in respect of new instruments on 1/9/92.

Instruments incorporating a load cell purporting to comply with this approval shall be marked NSC 210 in addition to the approval number of the instrument.

This approval may be withdrawn if load cells are constructed and used other than in accordance with the drawings and specifications lodged with the Commission.

The number of scale intervals applicable to the instrument shall be no greater than the number of verification scale intervals approved for the basework or the load cell(s) or the indicator, whichever is the smallest.

The load cells used shall be subject to regular certification by the Commission.

Signed

Acting Executive Director

#### Descriptive Advice

Pattern: approved 13/8/86

. Transducers model B5223-50K-40M1 load cell of 22700 kg capacity.

Variant: approved 13/8/86

1. With various length cable.

Technical Schedule No S210 describes the pattern and variant.

#### Filing Advice

The documentation for this approval comprises:

Supplementary Certificate of Approval No S210 dated 3/11/86  
Technical Schedule No S210 dated 3/11/86  
Figures 1 to 3 dated 3/11/86



# NATIONAL STANDARDS COMMISSION

## TECHNICAL SCHEDULE No S210

Pattern: Transducers Model B5223-50K-40M1 Load Cell.

Submittor: Transducers Inc  
14030 Bolsa Lane  
Cerritos, California 90701  
U S A.

### 1. Description of Pattern

The pattern is a Transducers model B5223-50K-40M1 load cell of 22700 kg capacity (refer Figure 1 and Table 1).

#### 1.1 Method of Mounting

Mounting is to be in accordance with one of the methods shown in Figures 2 and 3.

#### 1.2 Marking

The following is the minimum data required to be marked on the load cells:

Manufacturer's name or mark	
Model number	
Serial number	
NSC approval number	NSC S210
Maximum rated capacity	

### 2. Description of Variant 1

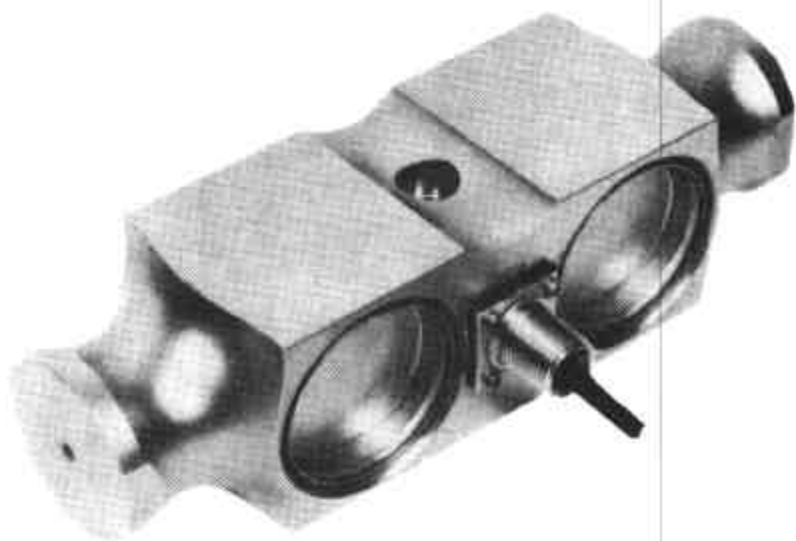
With various length cable as designated by the model number viz. B5223-50K-\*\*M1 where \*\* multiplied by 0.3 is the cable length in metres.

TABLE 1

Type: Transducers	B5223-50K-40M1
Maximum capacity	22700 kg
Maximum number of verification scale intervals	(a) 2500 (b) 2500 (c) 2500 (d) 2500
Minimum value of verification scale interval	(a) 2.72 kg (b) 5.00 kg (c) 2.72 kg (d) 5.00 kg
Output rating (nominal)	3.0 mV/V
Input impedance (nominal)	700 ohms
Supply voltage (AC or DC)	10-20 V
Cable length ( $\pm 0.1m$ )	(refer Variant 1)
Number of leads	5 (including shield)

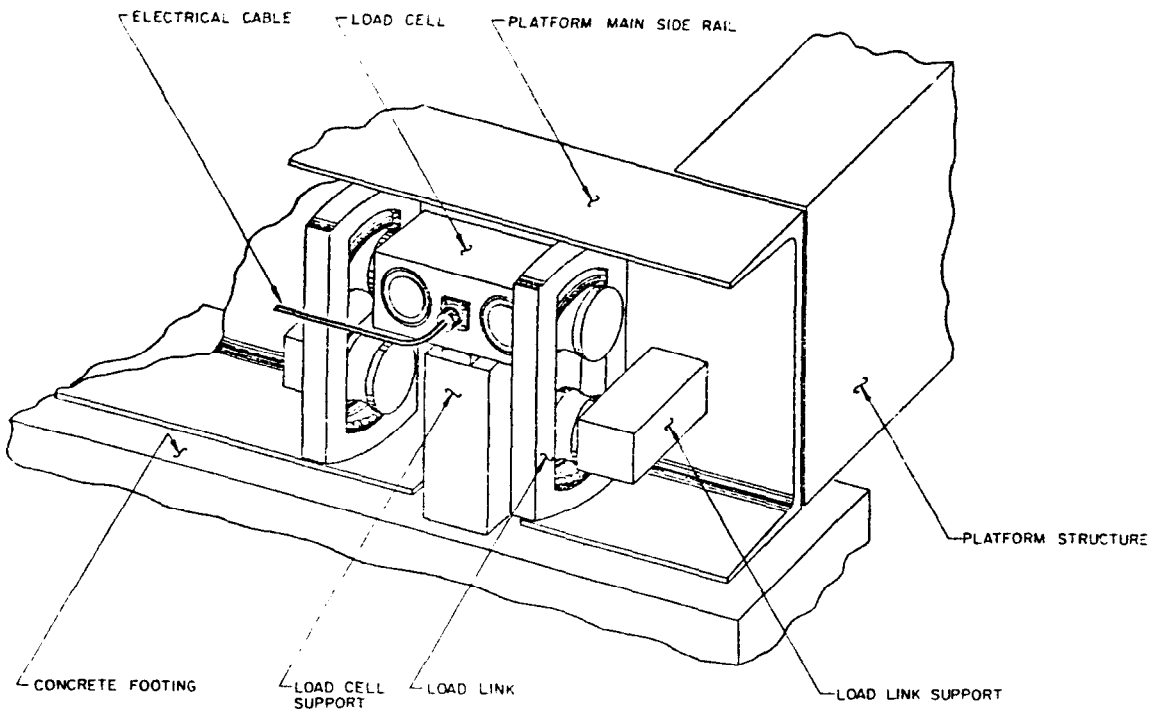
- (a) Instruments with automatic zero track - multi cell applications.
- (b) Instruments with automatic zero track - single cell applications.
- (c) Instruments without automatic zero track - multi cell applications.
- (d) Instruments without automatic zero track - single cell applications.

FIGURE S210 - 1



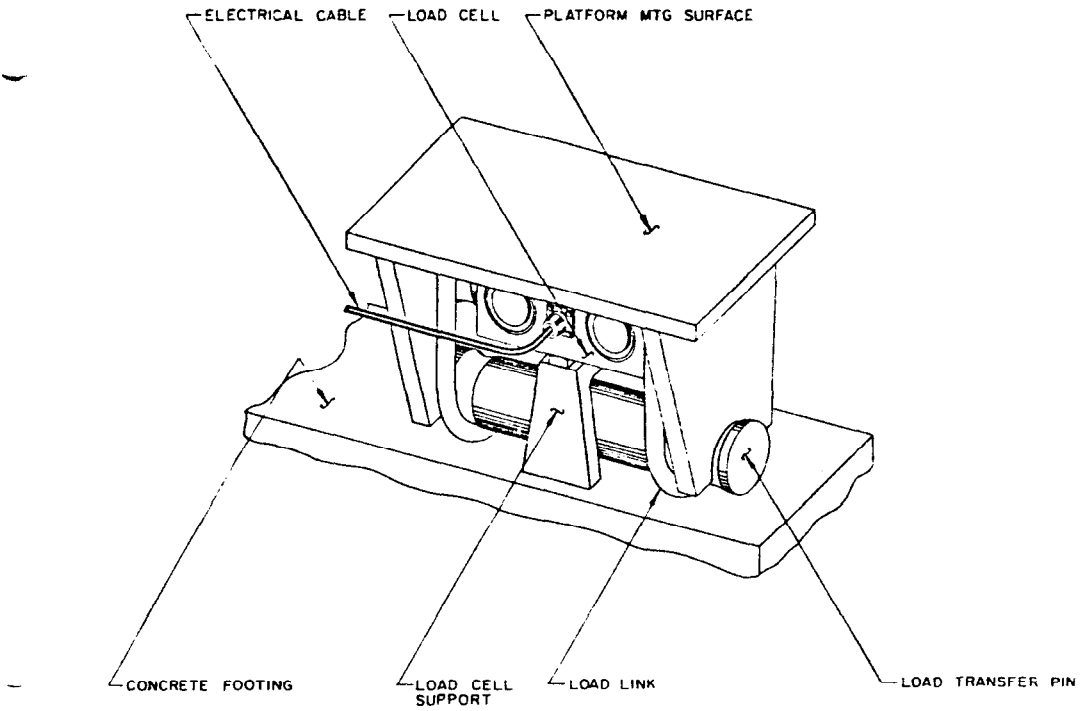
Transducers B5223 Load Cell

FIGURE S210 - 2



Optional Mounting Methods

FIGURE S210 - 3



Optional Mounting Methods