

Type 7786

Continuously variable load cell simulator



The Type 7786 load cell simulator replaces the load cell input with a representative signal that can be raised or lowered to match an actual load applied. This is used to check trip levels, displays etc. without the need for dead weights.

To use the instrument, the load cell signal (mVN) would need to be known. The load cell is disconnected and the Type 7786 simulator connected in its place. The output is then selected to mimic a known load.

Features

- **Lightweight ABS enclosure**
- **Dual range**
- **Plus and minus polarity**
- **Colour coded connections**

Typical specification			
Equivalent bridge resistance	700 Ω (optional 350 Ω)		
Tolerance	$\pm 5\%$		
Selectable output range	0-1 mVN 0-10mVN		
Connection	Terminals are clearly marked and colour coded according to the widely adopted code of American origin. The terminals for wire ends, also accepting standard 4mm plugs, are coded as		
	P1	Red	Supply +
	P2	Blue	Supply -
	S1	Yellow	Signal -
	S2	Green	Signal +
Enclosure	ABS		
Dimensions	Casing size: 120 x 80 x 58mm		
	Overall size: 120 x 114 x 85mm (approx)		