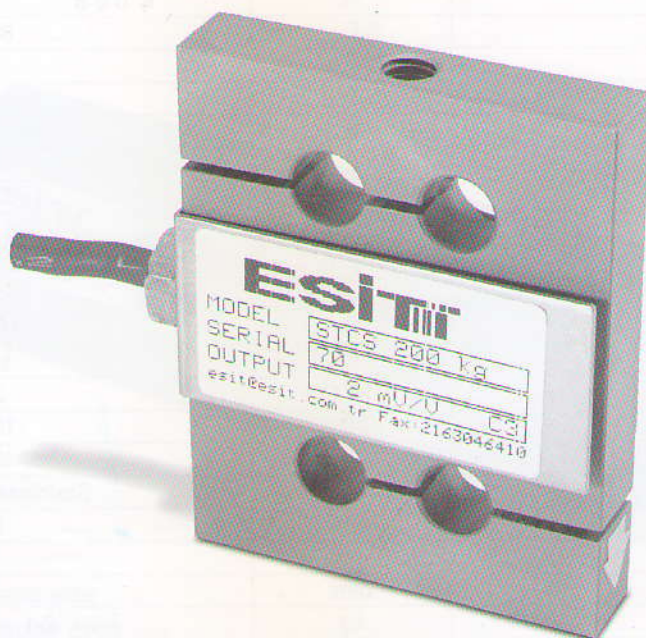
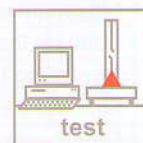
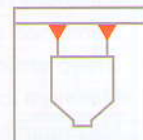


Type STCS

S Type Load Cell

50kg-100kg-200kg-500kg

Stainless Steel



Features

Stainless Steel

Easy-to-mount

IP66 industrial protection



The STCS bending beam load cell has been developed for tension and compression type weight and force measurement applications.

The STCS load cell finds application in tank weighing applications, hopper scales, electromechanical scales, tension-tear test devices, process weighing applications and other similar systems. It offers a high level of accuracy and features an internal thermal compensation that corrects output drifts due to ambient temperature variations. Stainless steel STCS load cells are resistant to all types of weather conditions and protected to IP66 standards.

Type	Capacity	Minimum Division	Max. Safe Overload
STCS 50	50 kg	5 g	75 kg
STCS 100	100 kg	10 g	150 kg
STCS 200	200 kg	20 g	300 kg
STCS 500	500 kg	50 g	750 kg

STCS Mounting Kits

STCS-HA STCS ball-joint mounting kit | page 72

Technical Specifications

Maximum capacities (E_{max})	kg	50, 100, 200, 500	
Accuracy class (OIML R 60)		C1	C3
Maximum number of verification intervals (n_{LC})		1000	3000
Minimum verification interval (V_{min})		$E_{max}/5000$	$E_{max}/10000$
Combined error	%	≤ 0.05	≤ 0.02
Creep error over 30 min. (DR)	% E_{max}	0.007	
Minimum load	% E_{max}	0	
Maximum safe overload	% E_{max}	150	
Maximum safe sideload	% E_{max}	100	
Ultimate load	% E_{max}	200	
Stretching (E_{max})	mm	≤ 0.4	
Maximum excitation voltage (U_{max})	V	15	
Rated output (C_n)	mV/V	2 0.1%	
Zero balance	% C_n	≤ 1.0	
Input resistance	Ω	385 20	
Output resistance	Ω	350 3	
Insulation resistance	M Ω	≥ 500	
Compensated temperature range	$^{\circ}\text{C}$	-10...+40	
Operating temperature range	$^{\circ}\text{C}$	-40...+80	
Load cell material		Stainless Steel	
Sealing (EN60529)		IP66	
Cable length	m	5	
Cable outer calibre	mm	5	
Weight	kg	0.5	
Package dimensions / weight	cm / kg	10x27x6 / 0.6	

Dimensions

(All dimensions are expressed in millimeters)

Wiring diagram is on page 12.

