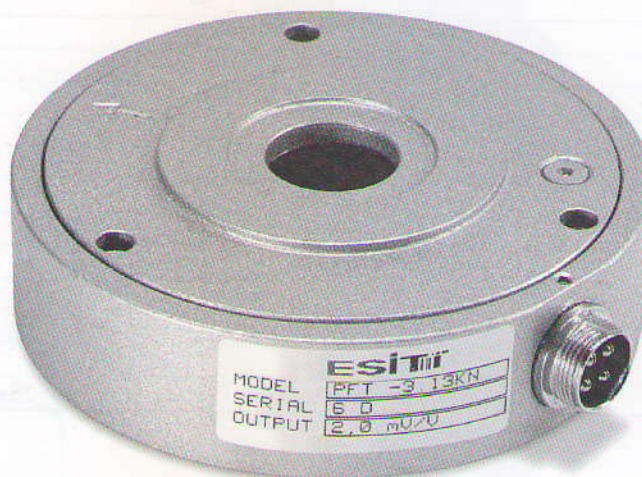
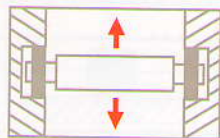


# Type PFT

Roller Type Load Cell

100kg

Steel



## Features

Resistant to side forces  
IP55 industrial protection



PFT is a roller type load cell developed for special applications. It is affixed to the roller's axle in winding systems and senses the load exerted upon the shaft.

With its steel alloy construction coated with corrosion-retardant paint, PFT is protected to IP55 standards meaning that it is fully resistant to dust and water. These load cells are easy-to-mount with a roller bearing inside and they can detect and adjust the tension of the material that is wound around the roller.

## Application Examples

Application examples for PFT type load cell can be found on page 83.

## Technical Specifications

Maximum capacities ( $E_{max}$ )	kg	100
Combined error	%	$\leq 0.5$
Minimum load	% $E_{max}$	0
Maximum safe overload	% $E_{max}$	150
Ultimate load	% $E_{max}$	300
Maximum excitation voltage ( $U_{max}$ )	V	15
Rated output ( $C_n$ )	mV/V	2mV/V
Zero balance	% $C_n$	$\leq 2.0$
Input resistance	$\Omega$	385 20
Output resistance	$\Omega$	350 2
Insulation resistance	M $\Omega$	$\geq 500$
Compensated temperature range	$^{\circ}\text{C}$	-10...+40
Operating temperature range	$^{\circ}\text{C}$	-40...+80
Material		Steel
Sealing (EN 60529)		IP55
Cable length	-	-
Cable outer calibre	-	-
Weight	kg	1.3
Package dimensions / weight	cm / kg	14.5x23x6 - 1.5

## Dimensions

(All dimensions are expressed in millimeters)

Wiring diagram is on page 12.

