

S-Type Force Transducer

2351 SERIES



- Conventional design features internal threads which allow force to be easily introduced via suitable swivel heads
- Calibrations in the tension or compression direction only are available at no extra charge
- Features thin film sensors and an integrated amplifier
- High shock and vibration resistance
- Minimal temperature drift
- For dynamic or static requirements
- Overload protection is rated for 150% of the maximum nominal load
- Protection Class IP 65 or IP 67
- Accuracy up to 0.1% of full scale value

APPLICATIONS

- Plant engineering
- Production lines
- Measurement and monitoring facilities
- Special equipment and machinery construction
- Test benches and production lines

SPECIFICATIONS

Measuring ranges	0 to 20 N - 0 kN to 50 kN
Maximum dynamic load	$\pm 70\% F_{nom}$ according to DIN 50100
Nominal deflection	<0.15 mm
Accuracy	$\pm 0.2\%$ full scale ($\pm 0.1\%$ full scale optional)
Output signal	2 mV/V
Operating temperature	-30 °F to 85 °F (-34 °C to 29 °C)
Temperature effect -span	$< \pm 0.12\%$ of full scale/10K ($< \pm 0.08\%$ of full scale/10K optional)
-zero	$< \pm 0.04\%$ of full scale/10K ($< \pm 0.025\%$ of full scale/10K optional)
Electrical protection	Short circuit, overvoltage and reverse polarity protection



ORDERING INFORMATION			
SERIES	2351		
FORCE TYPES	T Tension	C Compression	TC Tension/Compression**
MEASURING RANGES	20N 0 N to 20 N	200N 0 N to 200 N	10K 0 kN to 10 kN
	50N 0 N to 50 N	1000N 0 N to 1,000 N	20K 0 kN to 20 kN
	100N 0 N to 100 N	5K 0 kN to 5 kN	50K 0 kN to 50 kN
ACCURACIES	1 ±0.2% full scale	2 ±0.1% full scale	
OUTPUT SIGNAL	1 4 mA to 20 mA*	5 0 Vdc to 10 Vdc*	25 2 mV/V
ELECTRICAL CONNECTION	36 9' integral cable		

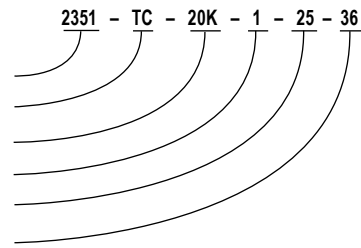
Please consult your local NOSHOK Distributor or NOSHOK, Inc. for availability and delivery information.

* Integrated cable amplifier.

** Please specify measuring range for both tension and compression.

EXAMPLE

Series 2351 Series
 Force type Tension/compression
 Measuring range 0 kN to 20 kN
 Accuracy ±0.2% full scale
 Output signal 2 mV/V
 Electrical connection 9' integral cable



20 N to 10 kN **20 kN to 50 kN**

