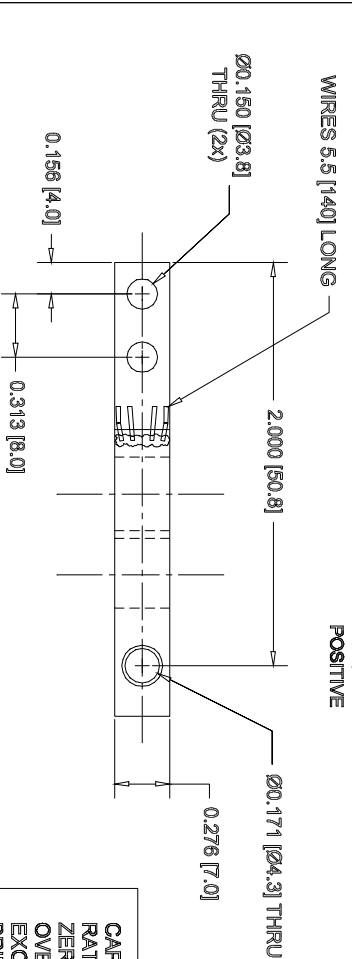
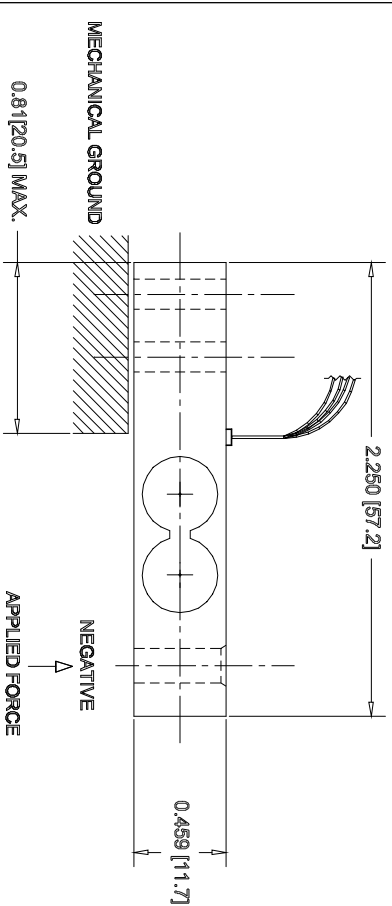
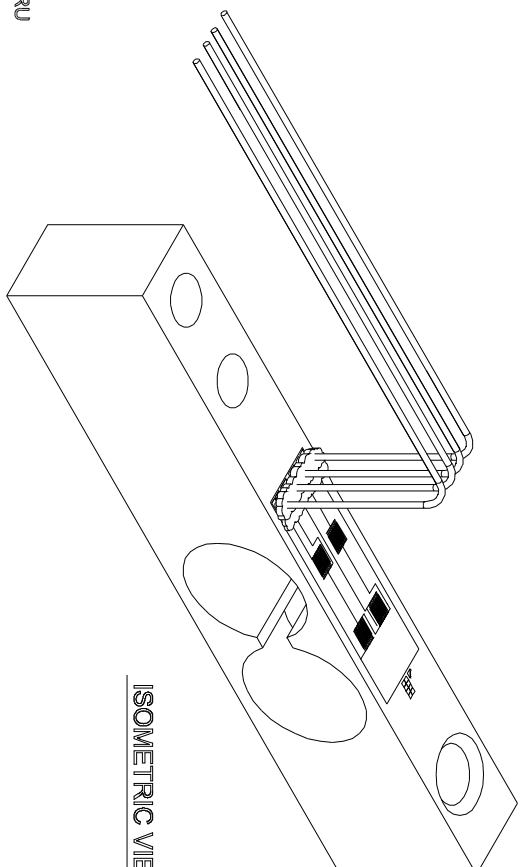
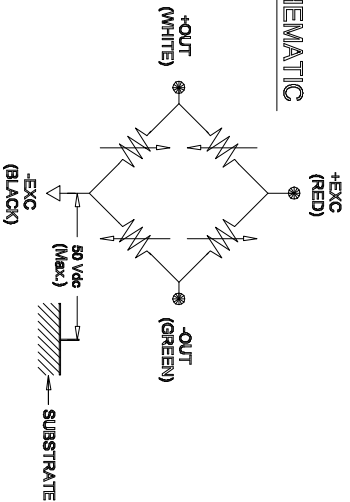




ELECTRICAL SCHEMATIC

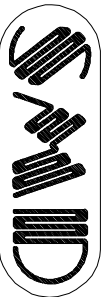


ISOMETRIC VIEW

SPECIFICATIONS:

CAPACITY:	20, 40 POUNDS-FORCE
RATED OUTPUT:	2 mV/V NOMINAL
ZERO OFFSET:	±0.3 mV/V (OPTIONAL ±1% RO)
OVERLOAD, SAFE:	200% RO
EXCITATION RECOMMENDED:	UP TO 20 Vdc
BRIDGE CONFIGURATION:	10,000Ω ±3%
INSULATION RESISTANCE:	4-WIRE CLOSED BRIDGE (5-W OPTIONAL)
OPERATING TEMP. RANGE:	>1000 MEGOHMS @ 50 Vdc
CALIBRATED TEMP. RANGE:	-40°C TO +150°C (200°C OPTIONAL)
TEMP. EFFECT ON ZERO BALANCE:	-40°C TO +125°C
LONG TERM STABILITY:	±0.03% /°C (±0.017%/°F) TIGHTER TOLERANCES AVAILABLE
NONLINEARITY:	±0.03% READING/°C (0.017%/°F) TIGHTER TOLERANCES AVAILABLE
HYSTERESIS:	<0.1% RO PER YEAR
NONREPEATABILITY:	±0.03% RO
TEMP. EFFECT ON SPAN:	±0.03% RO
CREEP, IN 20 MINUTES:	<0.01% RO
CREEP, IN 20 MINUTES:	±0.02% RO

RANGE (lb)	PART NUMBER	MATERIAL
20	2574-020	17-4PH SS
40	2574-040	17-4PH SS



UNLESS OTHERWISE SPECIFIED:

XXmm = ±0.5mm	ANGLES = ±2°
XXmm = ±0.5mm	
XXmm = ±0.5mm	
XXmm = ±0.5mm	

STRAIN MEASUREMENT DEVICES

USA

55 Branes Park North
Wallingford, CT 06492

Europe

Bury Road, Chedburgh,
Bury St Edmunds IP29 4UQ
England

Tel: (203) 294-5800
Fax: (203) 265-0544
askus@smdsensors.com

Tel: +44 (0) 1284 852 000
Fax: +44 (0) 1284 852 371
sales@smdsensors.co.uk

S230 OUTLINE DRAWING			REV:
No.	DATE:	SCALE:	DIM:
SMD2574	10/04/00	NONE	INCHES