

**ELECTRICAL CONNECTION**

VIA 4-CORE BLACK SHEATHED SCREENED 7/0.2 CABLE 1.0m LONG O/D 4.6

RED + INPUT GREEN + OUTPUT  
 BLUE -INPUT YELLOW -OUTPUT

| Designation | Range   | Cust Ref |
|-------------|---------|----------|
| 1K          | 1000 lb |          |
| 2K          | 2000 lb |          |
| 3K          | 3000 lb |          |

**SPECIFICATION**

|   |        |                |
|---|--------|----------------|
| RATED LOAD                                  | LB     | See Table      |
| FULL LOAD OUTPUT                            | mV/V   | 1.5 NOMINAL    |
| EXCITATION VOLTAGE (RECOMMENDED) DC         | V      | 10             |
| EXCITATION VOLTAGE (MAX) DC                 | V      | 12             |
| SAFE SERVICE LOAD                           | %      | 150            |
| PROOF LOAD                                  | %      | 150            |
| ULTIMATE LOAD                               | %      | 400 MIN        |
| COMBINED ERROR (NON LINEARITY & HYSTERESIS) | %      | <1.0           |
| REPEATABILITY                               | %      | <0.1           |
| OUTPUT AT ZERO LOAD                         | mV/V   | +0.01 TO +0.04 |
| INPUT RESISTANCE                            | OHMS   | 370+/-20       |
| OUTPUT RESISTANCE                           | OHMS   | 350+/-5        |
| OPERATIONAL TEMPERATURE RANGE               | ° C    | -20 TO +60     |
| COMPENSATED TEMPERATURE RANGE               | ° C    | -10 TO +50     |
| TEMPERATURE COEFFICIENT OF ZERO             | %/ ° C | <+/-0.010      |
| TEMPERATURE COEFFICIENT OF SPAN             | %/ ° C | <+/-0.010      |
| ENVIRONMENTAL PROTECTION                    |        | IP67           |
| INSULATION AT 100V dc                       | M-OHMS | >500           |

NOTE: ALL PERCENTAGES RELATED TO FULL RATED LOAD

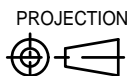
**CONSTRUCTION**

MANUFACTURED FROM STAINLESS STEEL TYPE 17-4PH 1150+1150

**NOTES:**

1. SERIAL No., O/P @ RATED LOAD(mV/V) AND SWL TO BE LABELED ON END OF LOADCELL

DO NOT SCALE  
IF IN DOUBT ASK



DIMENSIONS IN  
MILLIMETERS

**TOLERANCES UNLESS STATED**

|                    |         |                       |        |
|--------------------|---------|-----------------------|--------|
| GENERAL SURFACE    | 3.2     |                       |        |
| UP TO 10mm         | +/-0.1  | FABRICATIONS/CASTINGS |        |
| FROM 10mm to 100mm | +/-0.25 | UP TO 600mm           | +/-1.0 |
| OVER 100mm         | +/-0.5  | OVER 600mm            | +/-2.0 |
| ANGULAR DIMS       | +/-1°   | REMOVE SHARP EDGES    |        |

TITLE: **LOAD PIN**

ISSUE: B

DRAWN BY: FHG

DATE: 25/4/08

MATERIAL: 17-4PH

FINISH: N/A

CHANGE: REDUCE PIN HEAD Ø



LCM Systems Ltd  
Unit 15 Newport Business Park  
Barry Way  
Newport  
Isle of Wight  
PO30 5GY  
Tel: 01983 249264 Fax: 01983 249266

DRG NO: **LCM 2237**