

# Force Pancake Internal Thread - FPT

## Universal Pan Cake Load Cell

### FEATURES

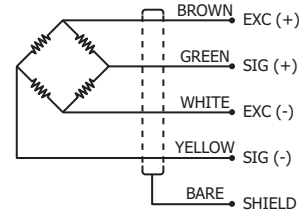
- Model FPT load cells have Female thread mounting and measure both tension & compression load force
- Construction for High Grade SS 17.4PH
- Customization to fit your dimensional needs.



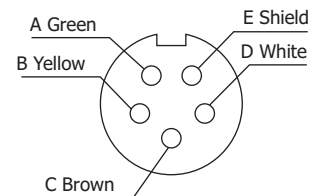
### TECHNICAL SPECIFICATION

| Model                              | FPT                       |
|------------------------------------|---------------------------|
| Rated capacity(R.C.)               | 1tf, 2tf, 5tf, 10tf       |
| Rated output(R.O.)                 | 1mV/V                     |
| Nonlinearity                       | Within 0.5% of R.O.       |
| Hysteresis                         | Within 0.5% of R.O.       |
| Repeatability                      | 0.1% of R.O.              |
| Creep                              | 0.05% of R.O.             |
| Zero balance                       | ±1% of R.O.               |
| Excitation recommended             | 10V (max. excitation 15V) |
| Terminal resistance input , output | 350Ω±1%                   |
| Insulation resistance bridge       | 2000MΩ                    |
| Temperature range, compensated     | -10~60°C                  |
| Temperature range, safe            | -20~80°C                  |
| Temp. effect on rated output       | ±0.01% of LOAD/10°C       |
| Temp. effect, on zero balance      | ±0.02% of R.O./10°C       |
| Safe overload                      | 120% R.C..                |
| Cable length                       | Ø5mm 4core, 2m            |
| Weight                             | 995 gms                   |

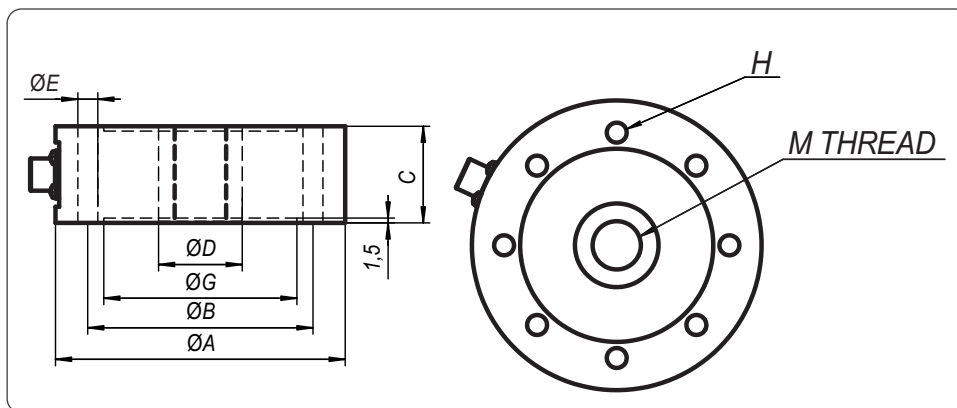
### WIRING INFORMATION



### 5 PIN CONNECTOR



### DIMENSION DETAILS



### DIMENSION TABLE

Unit : mm

| Capacity      | A   | B  | C  | D  | ØE-H NOH | G  | MTHREAD |
|---------------|-----|----|----|----|----------|----|---------|
| 500 Kg ~ 5tf  | 90  | 70 | 30 | 26 | Ø6.2- 8  | 60 | M16X1.5 |
| 7.5, 10, 15tf | 115 | 90 | 40 | 45 | Ø10.2- 8 | 77 | M30X2   |

\* 5 Pin Female connector with 2 meter cable delivered along with load cell

Specifications are subject to change without Prior notice