

Pancake Mounting & Wiring Review Guide

Magatom Dynamics Co., Ltd. / reviewed 2026-10-27

Planning resource only. Not a released product datasheet, approved CAD drawing, measured calibration certificate or conformity statement.

Release the flange joint

Review screw size/pitch, grade, length, washer/counterbore, lubrication, mating materials and the drawing-specific torque/preload method. Record the approved staged/crosswise sequence. No universal torque is provided.

Confirm base stiffness, flatness, parallelism, locating pilots and the calibration boundary. A surface value from an original manufacturer applies only to that stated configuration.

Control center-thread insertion

Record minimum effective engagement, maximum insertion depth, lock nut and clearance to internal parts. Retain original safety stops where specified; a proposed sensor must have its own approved stop/clearance design.

Separate circuit functions

Four-wire bridges use excitation and differential signal pairs. Six-wire versions add sense leads for a compatible input; check the actual amplifier instructions. A common connector shell does not establish pin/color interchangeability.

For each bridge record excitation +/-; signal +/-; sense +/- if present; shield/chassis termination; cable length; TEDS/shunt options and approved circuit.

Read the shunt record

A shunt resistor creates an electrical bridge imbalance. Obtain its exact resistance, connection terminals and measured equivalent output for the individual unit. It does not mechanically load the sensor or validate mounting, hysteresis or dynamic response.

Original reference documents

<https://www.interfaceforce.de/wp-content/uploads/2015/04/Installation-Low-Profile.pdf>

<https://www.hbm.com/fileadmin/mediapool/hbmdoc/technical/B01444.pdf>

<https://www.interfaceforce.com/support/technical-library/>

Request the reviewed documents

Request the configuration-specific STEP drawing, released datasheet, dimensions, material/seal/fatigue evidence and calibration scope. Confirm availability with the actual configuration before purchase.

Send the completed brief to inquiry@pancakeloadcells.com, or use <https://pancakeloadcells.com/contact>.