Parallel Beam Load Cell for Weight Measurement

This parallel beam load cell is designed for accurate weight measurement in various industrial applications. Its parallel beam configuration minimizes the effects of off-center loading, providing consistent and accurate readings.

Overview

High-Precision Parallel Beam Load Cell

The B-XG type box load cell is a precision instrument crafted from high-quality aluminum alloy, featuring a specialized one-point structure for reliable weight measurement. It incorporates advanced corner adjustment technology to ensure consistent output across the ruled surface, even with off-center loading. Designed for durability and ease of installation, this load cell is IP67 rated and certified for use in explosive dangerous environments with an ExibaBT6 explosion-proof rating.

Technical Features

Performance Highlights

67 IP
Protection Rating

Structure Type	One-point parallel beam box structure
Corner Adjustment	Assures uniform output from different points on ruled surface

Material & Durability

Environmental Protection
IP67 • Waterproof • Dustproof

Construction Material	Aluminum Alloy

Safety & Compliance

Explosion-proof Symbol	ExibaBT6
Safety Certifications	Explosion-proof, Hazardous Area Rated

Applications

Recommended Uses

- Weighing scales
- Force measurement systems
- Explosive dangerous circumstances
- Industrial load sensing

Performance Characteristics

Core Benefits

- High accuracy and linearity
- Minimized off-center loading effects
- Easy installation and maintenance
- Long-term durability in harsh environments