

Capacitive 6-axis force sensor

(Rated loads: Fx, Fy, Fz: 1000N Mx, My, Mz: 30Nm)

Model

WEF-6A1000-30-RCD-B



WEF-6A1000-30-RCD

Outline

The Dyn Pick WEF-6A1000-30 series is a 6-axis force sensor the rated loads of which are 1000N on Fx, Fy, Fz and 30Nm on Mx, My, Mz. While the outer dimensions are $\phi 90 \times H40$ mm due to the large rated loads, the mounting screws and pinholes are the same in shape as WEF-6A200-4 and WEF-6A500-10 to facilitate its use. The WEF-6A1000-30 of these rated loads is a product that can be used for industrial robots with a large weight capacity.

This 6-axis force sensor with greatly improved reliability is suitable for diverse processes, such as force control of industrial robots, pressing force control, grinding, deburring, and assembly work.

Applications

- Force control of industrial robots, precision fitting, deburring, pressing force inspection, grinding work, etc.
- Operating portions of assistive devices
- Machining control of machine tools, etc.

Feature

IP65 as a standard

Simple structure
and low cost

No external module
or amplifier required

Correction by built-in
32-bit microcomputer

Measures against overload
by WACOH-TECH's original
stopper mechanism

CE-mark compliant

Spec

		Type			
		WEF-6A1000-30-RCD-B			
		MIN	TYP	MAX	Unit
Rated loads	Fx,Fy,Fz	-	±1000	-	N
	Mx,My,Mz	-	±30	-	Nm
Linearity		-	-	3	%FS
Hysteresis		-		3	%FS
Cross-axis sensitivity		-5	-	+5	%FS
Zero-point temperature characteristics		-0.2	-	+0.2	%FS/°C
Output form		RS422			
Outer dimensions		φ90×H40			mm
Current consumption		280mA or less (5V) 80mA or less (24V)			
Weight		600			g
Dustproof and waterproof function		IP65			Ingress Protection code



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