

# Yekan YB/21000,24701 Proximity Probe Housing

Datasheet

Machinery Condition Monitoring

Rev. V1.1

## Description

Yekan provides two robust proximity probe housings engineered for reliable performance in diverse industrial settings. These housings offer superior protection for your proximity sensors, ensuring longevity and accuracy in demanding environments.



- **Part Number YB/21000 (Aluminum Housing):** This lightweight yet durable aluminum housing is ideal for applications where minimizing weight is crucial, while still providing excellent protection against environmental factors. It features a sturdy design, threaded ports for convenient conduit connection, and ample space for optional accessories to enhance performance and mounting flexibility.
- **Part Number YB/24701 (Stainless Steel Housing):** For applications requiring superior corrosion resistance and extreme durability, the stainless steel housing (Part Number 24701) is the optimal choice. Constructed to withstand harsh chemicals and environments, this housing ensures reliable operation in even the most challenging conditions. Like its aluminum counterpart, it includes threaded ports for conduit connections and provisions for optional accessories.

## Ordering Information

Yekan YB/21000 Aluminum Housing / YB/21000-AA-BB-CC-DD-EE-FF

Yekan YB/24701 Stainless Steel Housing / YB/24701-AA-BB-CC-DD-EE-FF

### A: Probe with Connector

00	Probe not required
16	YB 3300 XL 8mm probe
26	YB 3300 XL NSV probe
29	YB 3300 XL 11mm probe
31	YB 3300 XL NSV probe with connector protector
33	YB 3300 XL 8mm probe with connector protector
35	YB 3300 XL 11mm probe with connector protector

### B: Probe Cable Length

00	Probe cable not required
05	0.5 m (20 in)
10	1.0 m (39 in)
12	12.0 in
18	18.0 in
24	24.0 in
30	30.0 in
36	36.0 in

### C: Standoff Adapter (Option C Dimension)

15	Minimum length 1.5 in (38 mm)
75	Maximum length 7.5 in (191 mm)
	Recommendation Order in increments of 0.5 in (13 mm)
	Examples 1.5 in (38 mm) = 15 No standoff adapter = 00

### D: Probe Penetration (Option D Dimension)

10	Minimum length 1.0 in (25.4 mm)
Other	
	Recommendation Order in increments of 0.1 in (3 mm)
	Examples 3.7 in (94 mm) = 037 22.4 in (569 mm) = 224

### E: Fittings

00	Without fittings
01	One 3/4-14 NPT explosion-proof fitting One 3/4-14 NPT plug
02	Two 3/4-14 NPT explosion-proof fittings
03	One 3/4-14 NPT plug One 3/4-14 to 1/2-14 NPT reducer One cable seal grip with grommets for the following cable sizes: • 1/8 to 3/16 inches • 1/4 to 5/16 inches • 5/16 to 3/8 inches
04	One 3/4-14 NPT plug only

### F: Mounting Thread

01	As cast without threads
02	3/4-14 NPT
03	1-11 1/2 NPT
04	1/2-14 BSP
05	7/8-14 UNF-2A

## Specifications

### Mechanical

#### Material:

YB/21000	Aluminum body with 304 stainless steel sleeves
YB/24701	303 stainless steel body, with 304 stainless steel sleeves

#### Mass (Weight):

YB/21000	1.1 kg (2.4 lb) typical, without fittings
YB/24701	1.8 kg (4.1 lb) typical, without fittings

### Environmental

#### Temperature Range:

YB 3300 XL 8mm Probe Operating and storage	-51°C to +177°C (-60°F to +351°F)
YB 3300 XL 11mm Probe Operating and storage	-51°C to +177°C (-60°F to +351°F)
YB 3300 XL NSV Probe:	
Operating	-34°C to +177°C (-30°F to +351°F)
Storage	-51°C to +177°C (-60°F to +351°F)

## Figures

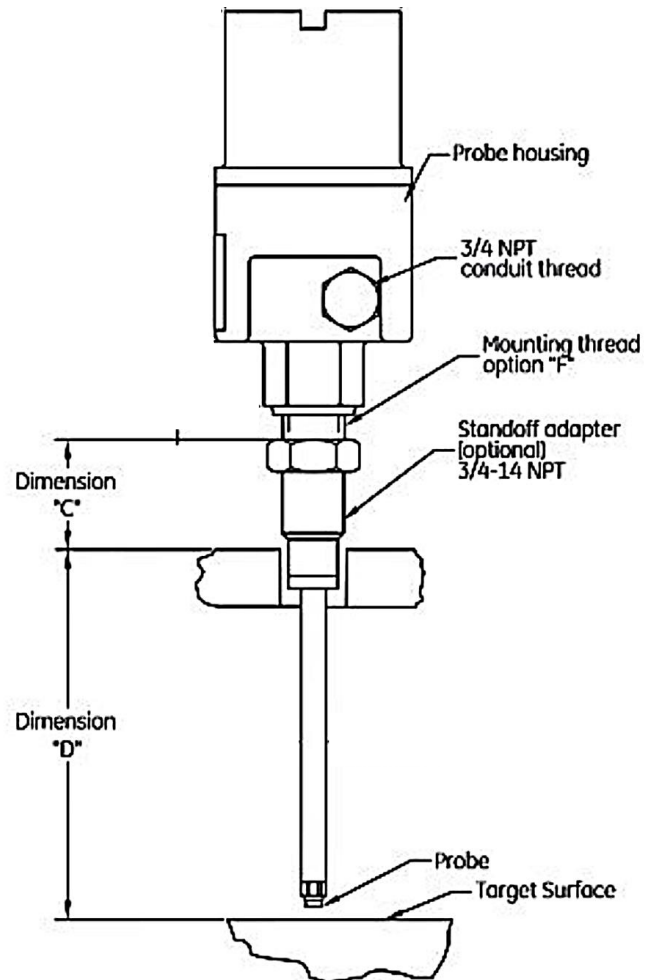


Figure 1. Yekan YB/21000,24701 Proximity Probe Housing Assemblies Diagram

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