



# SYNCHRONIZATION PROBE

#### 1/Rev. Reference

## **GENERAL SPECIFICATIONS**

#### Operation

Measuring Range

Recommended Target Distance

· Maximum Switching Frequency

(target passage duration: 500 µsec min.)

Output Circuit

· Output State Indicator

· Output Current

Voltage Drop

· Short Circuit Protection

## **Power Requirements**

Voltage

Consumption

· Load Resistance

· Reverse Polarity Protection

## Connection

· Connector Type

· Extension Cable

Maximum Length

#### **Environment**

· Temperature Range

Operating

Storage

#### **Physical Characteristics**

· Probe Material

Head

Casing

Connector Body

Target Material

Target Dimensions

4 mm [157 mils]

 $2 \pm 0.5 \text{ mm } [79 \pm 20 \text{ mils}]$ 

2 kHz max.

Open Collector Transistor (NPN)

Amber LED 200 mA max.

2 Vdc max.

Built-In

10 to 30 Vdc

10 mA max.

150  $\Omega$  min. (pull up)

Built-In

M12 4-Pin Male Connector \*

300 m [984 ft]

0 to 70°C [32 to 158°F]

-25 to 70°C [-13 to 158°F]

Polybutylene terephthalate

Aluminium

Zinc Die Cast, Nickel Plated

Steel

20 mm x 10 mm x 3mm [0.79 in x 0.39 in x 0.12 in]

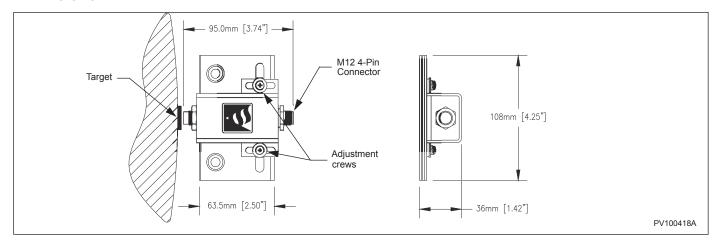
Note: To connect the synchronization probe to the acquisition unit, you also need either:

- one M12 4-pin female connector, and a sufficient length of shielded signal cable (22 AWG), or
- one signal cable with pre-wired M12 connector





#### **DIMENSIONS**



## **PRODUCT IDENTIFICATION**

Product Number	Description
VSM-SYNCHRO	Synchronization probe

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