

# HGC Fieldbus Adaptor

## Model HFA100

### OVERVIEW

HGC Fieldbus Adaptor (HFA) is an interface used to connect the HGM (HGC monitor) a Windows-based, PC application, to Yamatake's state of art analyzer, HGC (Heat value Gas Chromatograph) that operates on a FOUNDATION™ fieldbus H1 network. Users are able to configure, monitor and maintain the HGC all from the PC by simply connecting the HFA to the Fieldbus network.

### FEATURES

#### **1. User friendly**

USB connection with the PC enables the HFA to establish communication with FOUNDATION™ fieldbus H1 very easily. Only by plugging the cable into the USB port on the PC, users can monitor HGC performance and they are also able to configure or adjust the HGC without any special preparation.

#### **2. Portable**

With its light weight and compact design, HFA can be carried with laptop PC so that user can use it whenever and wherever along the process to access HGC data.

#### **3. Secured connection**

The HFA is powered by the USB port of the PC. This ensures that there will be no disturbance to the power to the FOUNDATION™ fieldbus H1 when the HFA is connected while the H1 segment is running. A Link Master option also is provided for in-house configurations where only the HGC is connected to the H1.

#### **4. Field proven technology**

HFA, a FOUNDATION™ fieldbus H1 module, has been designed using Yamatake's Fieldbus technology, which has been proven out in the field over the years. Its functionality and performance have been thoroughly tested for reliability in communicating with the HGC.



### FUNCTIONAL SPECIFICATIONS

#### **Fieldbus port**

##### **FOUNDATION™ fieldbus**

H1 (31.25 kb/sec.)  
ISA S50.02-1992 & IEC 1158-2

##### **Device class**

Basic Device (default) or Link Master Device

##### **Node address**

0xFC (default)

##### **Terminator switch**

Off (default) or On

#### **USB port**

USB 1.1 Device Class  
USB Cable 1 m (Standard Accessory)

#### **Operating requirements**

OS Windows 2000 (Service Pack 3 required) / XP  
HGM (HGC Gas Chromatograph Monitor) Version 4.0 or later

\*\*\* HGM comes standard with the HGC

#### **Ambient temperature limits**

0°C to 50°C (32°F to 122°F)

**Ambient humidity range**

0 to 95% RH

**CE certification**

Electromagnetic compatibility  
(89/336/EEC,92/31/EEC,93/68/EEC)

**PHYSICAL SPECIFICATIONS**

**Case Material**

Stainless Steel

**Dimensions**

W: 71 mm × D: 98 mm × H: 20.5 mm  
(W: 2.8 in. × D: 3.9 in. × H: 0.8 in.)

**Weight**

0.25 kg (0.55 lbs)

**INSTALLATION**

**Power supply**

USB Port supply (5 V from PC)

**Power consumption**

Typ. 1 VA (from PC)

**Environmental classification**

For indoor use only

**Standard accessories**

USB Cable: Length 1m  
HFA User's Manual

**MODEL SELECTION**

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**DIMENSIONS**

