Wireless Gauge Reader Mounting Adapters
(GRA and GRP Series)

GRA Series Mounting Adapters
GRP Series Adhesive Rings
Process Gauge Adapters
Magnehelic Adapters

CYPRESS
ENVIROSYSTEMS™

1.0 How to Attach a WGR to a Gauge

Select Attachment Method According to Gauge Type

Method A Conventional	Method B Flush (Panel) Mounted or Large Diameter Gauge
WGR Adapter clamps around outside of gauge	WGR adhesive adapters affix to panel or gauge lens

How to attach a WGR to a Gauge – Method A

Method A – for conventional gauges up to 4" outside diameter

1) Attach **Rubber Shims** to gauge (as needed

2) Attach **WGR Mounting Adapter** to gauge

3) Note alignment mark on **WGR Mounting Adapter** should be at upper left corner.

4) Tighten **Hose Clamp** to hand torque using slot screwdriver

How to attach a WGR to a Gauge – Method A

Method A – continued

5) Attach **WGR Sensor** to WGR Mounting Adapter using 1/8 turn quickdisconnect.

Note: start with WGR Sensor rotated counterclockwise 1/8 turn and attach to WGR Mounting Adapter. Then turn WGR Sensor clockwise till you hear a click to lock the quick disconnect.

Fully Mounted
WGR Assembly

How to attach a WGR to a Gauge – Method B

Method B – for flush (panel) mounted gauges, or gauges with outside diameter greater than 4" diameter

Relevant Parts

| Large Diameter Gauge | UHB Double Sticky Tape | WGR Adhesive Ring | WGR Mounting Adapter & Hose Clamp | WGR Sensor |

How to attach a WGR to a Gauge – Method B

Method B – continued -1

1) Using UHB tape, attach **WGR Adhesive Ring** to:

    a. Gauge Lens
(if mounting on large diameter gauge)

    b. or front panel
(if mounting on panel mounted gauge)

2) Attach **WGR Mounting Adapter** to WGR Adhesive Ring

3) Note alignment mark on **WGR Mounting Adapter** should be at upper left corner.

4) Tighten **Hose Clamp** to hand torque using slot screwdriver

How to attach a WGR to a Gauge – Method B

Method B – continued - 2

5) Attach **WGR Sensor** to WGR Mounting Adapter using 1/8 turn quick disconnect.

Note: start with WGR Sensor rotated counterclockwise 1/8 turn and attach to WGR Mounting Adapter. Then turn WGR Sensor clockwise till you hear a click to lock the quick disconnect.

Fully Mounted
WGR Assembly

Different Size Adapters Available

WGR Mounting Adapters

Part Numer	Description
GRA-110-005	WGR Adapter, for gauges from 1.600" to 1.955" Outside Diameter
GRA-110-010	WGR Adapter, for gauges from 1.955" to 2.390" Outside Diameter
GRA-110-015	WGR Adapter, for gauges from 2.390" to 2.822" Outside Diameter
GRA-110-020	WGR Adapter, for gauges from 2.820" to 3.285" Outside Diameter
GRA-110-025	WGR Adapter, for gauges from 3.285" to 3.715" Outside Diameter
GRA-110-030	WGR Adapter, for gauges from 3.715" to 4.123" Outside Diameter
GRA-110-035	WGR Adapter, for gauges from 4.181" to 4.860" Outside Diameter

WGR Adhesive Rings

Part Numer	Description
GRP-100-005	Adhesive mounting ring for panel mount - 2.0" OD
GRP-100-010	Adhesive mounting ring for panel mount - 2.3" OD
GRP-100-015	Adhesive mounting ring for panel mount - 3.625" OD
GRP-100-020	Adhesive mounting ring for panel mount - 4.0" OD
GRP-100-025	Adhesive mounting ring for panel mount - 4.375" OD
GRP-100-030	Adhesive mounting ring for panel mount - 4.625" OD
GRP-100-035	Adhesive mounting ring for panel mount - 5.625" OD

Special Case: Magnehelic Gauges

Special Case:
Process Gauge Adapter

Process Gauge Adapter

GRA-110-130: Adapter for process gauges 4.5 inch diameter, with tapered sides.
Important: Must have access to back of gauge to use this adapter. NOT for panel or flush mounted gauges.

Special Case:
Magnehelic Adapter

Magnehelic Gauge Adapter

GRA-110-135: Adapter for Dywer Magnehelic and Photohelic Gauges.
Important: Must have access to back of gauge to use this adapter. NOT for panel or flush mounted gauges.