Metis Series Pyrometer Accessories

- **Mounting brackets**
- **Cooling housing**
- **Flange systems**
- **Cooling plates / cooling jackets**
- **Air purge units**
- **Scanning mirrors**
- **Vacuum feedthroughs**
- **Scanner**
- **Fiber optic assemblies**
- **Protection braided hoses**

Mounting

HA10-00
Mounting bracket (adjustable)
- for pyrometers

HA12-00
Mounting bracket (adjustable)
- for water cooling jacket

HA14-00
Mounting bracket (adjustable)
- for 25 mm fiber optics OL25 / OQ25

HA80-00
Mounting bracket (adjustable)
- for 12 mm fiber optics OL12 / OQ12
- for 90° deflection UM80
  (for 12 mm fiber optics)

HA61-00
Tripod adapter
- for mounting on the pyrometer's mounting rail

HA20-00
Ball joint bracket
- for pyrometers

HA21-00
Heavy ball joint bracket
- for cooling hood KG31
- for scan adapter SC10
- for scanner SC11 / 12 / 31 / 32

HA22-00
Heavy ball joint bracket
- for water cooling jacket

FA05-00
Aluminum flange
(suitable for Ircon system)
- with 4 holes
  for pyrometers (front screws)

FA05-10
Aluminum flange
(suitable for Ircon system)
- with thread for cooling housing

Cooling Housing
xx=Protective window

KG10-xx (xx=00, 01, 04)
Water cooling jacket
- for pyrometers with 12-pin angled connector

KG14-xx (xx=00, 01, 04)
Water cooling jacket
- for M3-Pyrometers with internal Profibus (straight connector)

KG17-xx (xx=00, 01, 04)
Water cooling jacket
- for pyrometers with 17-pin angled connector

Protective Cooling Jacket with Removable Sealed Window Assembly

KG10-xx
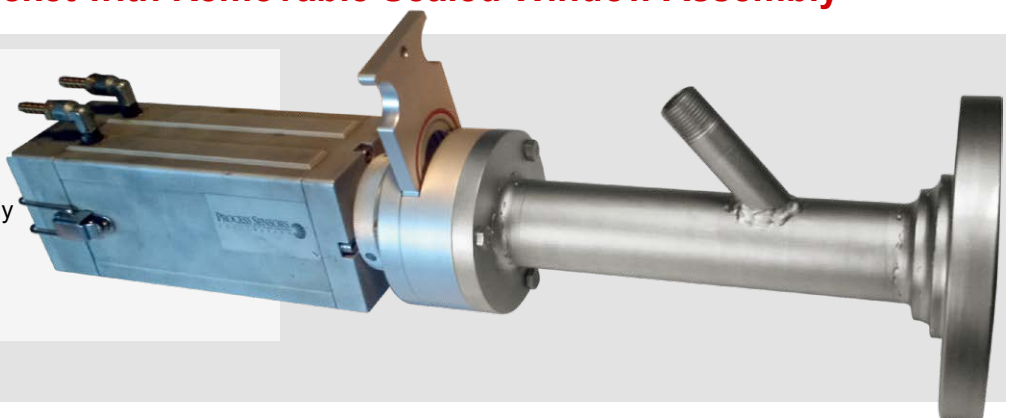Protective cooling jacket
Flange system
Double flanged 10" x 2" sight tube
with air purge inlet for use with
removable sealed window assembly
950-133A-S
Sapphire sealed window assembly
950-133A-Q
Quartz sealed window assembly

Cooling Plates / Cooling Hood

KG20-00
Water cooling plate
- for pyrometers with focusable optics

KG20-00-80
Water cooling plate
- for pyrometers with motorized optics
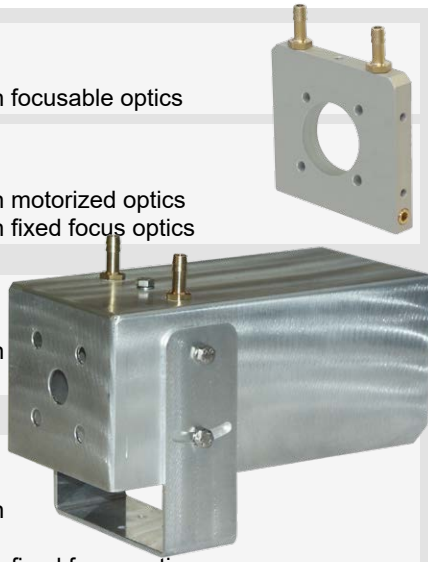- for pyrometers with fixed focus optics

KG31-00
Cooling hood
- for pyrometers with focusable optics

KG31-00-80
Cooling hood
- for pyrometers with motorized optics
- for pyrometers with fixed focus optics

KG22-00
Water cooling plate
- for pyrometers with scan adapter SC10

KG21
Water cooling plate with air purge unit
- for Galaxy scanners SC11 / 12 / 31 / 32

Air Purge Units

BL11-00
Air purge unit
- for pyrometers with focusable optics

BL10-00
Air purge unit
- for pyrometers with motorized optics
- for pyrometers with fixed focus optics

BL12-00
Air purge unit
- for cooling jacket
- for scan adapter SC10

BL14-00
Air purge unit
- for 25 mm fiber optics

BL80-00
Air purge unit
- for 12 mm fiber optics

BL12-01
Air purge unit with adapter ring
- for SC10 with cooling plate KG22

90° Deflection Mirrors

UM10-00
90° deflection mirror
- for pyrometers with focusable optics

UM24
90° deflection mirror with air purge unit
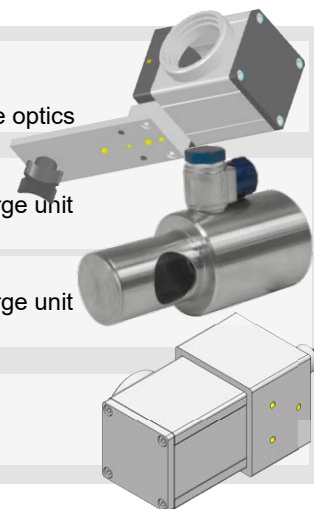- for 12 mm fiber optics

UM25
90° deflection mirror with air purge unit
- for 25 mm fiber optics

UM26
90° deflection mirror
- for 25 mm fiber optics

UM80-00-xx (xx=01)
90° deflection mirror
- for 12 mm fiber optics

UM80-10-xx (xx=01)
90° deflection mirror with air purge unit
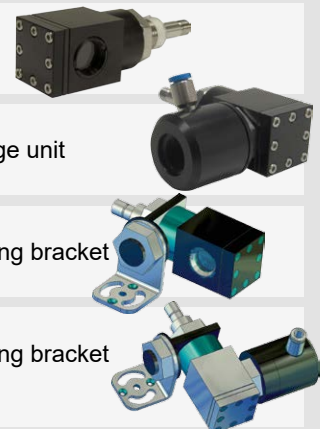- for 12 mm fiber optics

UM80-20-xx (xx=01)
90° deflection mirror with mounting bracket
- for 12 mm fiber optics

UM80-30-xx (xx=01)
90° deflection mirror with mounting bracket and air purge unit
- for 12 mm fiber optics

Vacuum Feedthroughs

VD20-02 / VD20-04
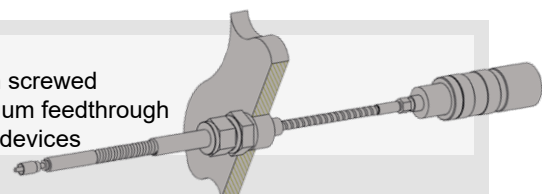Fiber-optic vacuum feedthrough with DN16CF flange
- 02: for optical fibers with 0.2 mm
- 04: for optical fibers with 0.4 mm

VD30-00
Optical fiber with screwed (Swagelok) vacuum feedthrough
- for fiber optic devices

Scanners

Galaxy SC11-5x-yy / SC31-5x-yy (only adjustable via interface, no analogue temperature zone outputs)
Galaxy SC12-5x-yy / SC32-5x-yy (with adjustment buttons, display and 4 analog temperature zone outputs)
4-zone line scanner

- yy=20: for pyrometers with manually focusable optics
- yy=80: for pyrometers with motorized focus

SC10-xx (second x = protective window = 1, 2, 3, 4)
Scan adapter (Line scanner)

- SC10-4x   for Metis with manually focusable optics
- SC10-6x   for Metis with motorized focus / fixed focus optics
- SC10-7x   for Metis with fiber optics

Ruggedized Fiber Optic Assemblies

Heavy-duty measuring system
Pyrometer measuring system in heavy stainless steel design

- for all Metis M3 fiber optic pyrometers

HW5002 + HW5004 + HW5005
Optical fiber protective tube (15 m)
with optics protection (sleeve + screw connection)

- for all 25 mm fiber optics

Protective Windows (xx)

xx = 00: Without protective window
xx = 01: Borosilicate protective window   (for pyrometer models with spectral range up to 2.8 µm)
xx = 02: Calcium fluoride protective window (CaF_2)   (for pyrometer models with spectral range up to 8 µm)
xx = 03: Zinc sulfide / zinc selenide protective window (ZnS / ZnSe)   (for pyrometer models with spectral range up to 14 µm)
xx = 04: Sapphire protective window (scratch and abrasion resistant)   (for pyrometer models with spectral range up to 5 µm)

Mounting Examples

Process Sensors reserves the right to make changes in scope of technical progress or further developments.

AccessoryCatalog_Metis-Series (11/30/23)