

Rigid Far Field Probes

Remote Field Testing (RFT) Rigid Probes

Characteristics:

- o Amplifier in the probe head of 40 dB
- o Optimized absolute signal
- o Very good wear resistance
- o Connector type Amphenol 19 cts (specific connector, contact us)



Probes with a diameter greater than 25 mm are made with a delrin body and two stainless reinforcements front and back (see image below).



RFT Single driver

Designation: *RFTR-SD-000-FFF-P8-20*

Dual Emission Far Field Probe (*≥Ø13mm) (RFT dual driver)

Designation: *RFTR-DD-000-FFF-HP1/4-20*

Dual Reception Far Field Probe (*≥Ø13mm) (RFT dual Pickup)

Designation: *RFTR-DP-000-FFF-P8-20*

DIAMETER: *RFTR-SD-000-FFF-P8-20*

Increments every mm.

*for specific diameters consult us

Example: RFTR-SD-110-300-P8-20

| Diameter | Code |
|----------|------|
| Ø8.5mm | 085 |
| Ø9mm | 890 |
| Ø10mm | 100 |
| Ø11mm | 110 |
| ... | ... |
| Ø18mm | 180 |
| Ø19mm | 190 |
| ... | ... |
| Ø65mm | 650 |

FREQUENCY RANGE: FFF

| / | Frequency (Hz) | | |
|-----------|----------------|-------------|-------|
| | Min. | Power plant | Max. |
| LF | 20 | 50 | 100 |
| Mf | 100 | 300 | 1000 |
| Hf | 500 | 2500 | 20000 |

The designation with the central frequency.

Example: RFTR-DD-170-2500-P8-20

SHEATH TYPE AND LENGTH: HP3/8-30

| Type | Designation | Diameter | Length |
|------------|-------------|-----------------------------|------------|
| Polyamide | P | 8-10-12... | 20 or 30 m |
| Reinforced | Hp | 1/4-5/16-3/8-1/2-5/8-3/4-1" | 20 or 30 m |

*for the use of reinforced sheath the \emptyset probe \geq 13mm for single Emission and \geq 15mm for double emissions or double receptions.

NOTES: For any specific requests, we can carry out the probes

Flexible Far Field Probes

Remote Field Testing (RFT) BOILER

Flexible probe (Boiler): RFTB-SD

Characteristics:

- o Amplifier in the probe head of 40 dB
- o Optimized absolute signal
- o Very good wear resistance
- o Connector type Amphenol 19 cts (specific connector, contact us)
- o Simple issuance
- o Flexible and waterproof probe
- o Centering brushes are replaceable



DIAMETER: *RFTB-SD-ØØØ-FFF-HP5/16-20*

*for specific diameters consult us

Example: RFTB-SD-370-300-HP1/2-20

| Diameter | Code |
|----------|------|
| Ø28mm | 280 |
| Ø34mm | 340 |
| Ø37mm | 370 |
| Ø45mm | 450 |
| Ø55mm | 550 |
| Ø65mm | 650 |

FREQUENCY RANGE: *RFTR-SD- ØØØ-FFF-P8-20*

| / | Frequency (Hz) | | |
|----|----------------|-------------|-------|
| | Min. | Power plant | Max. |
| LF | 20 | 50 | 100 |
| Mf | 50 | 300 | 500 |
| Hf | 500 | 2500 | 20000 |

The designation with the central frequency.

Example: RFTB-SD-280-2500-HP3/8-20

SHEATH TYPE AND LENGTH: *RFTR-SD- ØØØ-FFF-HP3/4-20*

| Type | Designation | Diameter | Length |
|------------|-------------|--------------------|------------|
| Reinforced | Hp | 3/8-1/2-5/8-3/4-1" | 20 or 30 m |

Flexible probe (Boiler) removable: RFTB-SD-xxx-xxx-D



We produce flexible probes that can be detached:
 The characteristics are identical.
 Propulsion ducts specific to boiler probes must be used.
 Reference: **GP-RFTB-HP1/2-20**

REMARKS: For any specific requests, we can carry out the probes.

Removable Axial Probes Detachable Probes ECT

Removable Axial Probe: **SADxxxx-212MF12**

Characteristics:

- o Probe adaptable to the propulsion ducts of the M9x100 and M12x100 market
- o Length of 130mm, for a specific length we specify it
- o Very good wear resistance
- o Connector type Lemo 4cts
- o Waterproof probe



DIAMETER: SADØØØXX-212MF12

Increment every 0.1mm.

For M9x100 probes the minimum diameter 9mm

For M12x100 probes the minimum diameter 13mm

*for specific diameters consult us

Example: SAD148G-212MF12



| Diameter | Code |
|----------|------|
| Ø9mm | 090 |
| Ø9.6mm | 096 |
| Ø13mm | 130 |
| Ø13.8mm | 138 |
| ... | ... |
| Ø26mm | 260 |
| Ø28.5mm | 285 |
| ... | ... |
| Ø99.9mm | 999 |

OPTIONS: SADXXX XX-212/16-20

Standard whole-body sensor in ertaceoustal: **S**

Guided probe: front and back ring in non-magnetic stainless steel: **G**

Probe with non-magnetic stainless-steel thread: **F**

Guided probe with non-magnetic stainless-steel thread: **FG**

*For diameters $\leq \varnothing 15\text{mm}$, probes with stainless steel thread are guided

*For probes with a diameter greater than 30mm, we recommend a stainless-steel thread.

Example: SAD223FG-212MF12



WINDING TYPE: SADXXX-X-XXX MF12

Generally, in Europe we use a type 2/1/2 winding.

These values correspond to the width of the winding and their spacing

*for specific types of winding consult us

| Diameter | Code |
|-------------|------|
| 1/05/1 | 151 |
| 1.5/1.5/1.5 | 111 |
| 2/1/2 | 212 |
| 4/2/4 | 424 |
| 8/4/8 | 848 |



FREQUENCY RANGE: SADXXX-X-XXXXX12

| / | Frequency (Hz) | | |
|-----------|----------------|-------------|------|
| | Min. | Power plant | Max. |
| UF | 1 | 5 | 10 |
| LF | 10 | 50 | 100 |
| Mf | 50 | 250 | 500 |
| Hf | 500 | 1000 | 2000 |

Example: SAD266FG-212UF12

*For specific frequencies contact us.

THREAD TYPE: SADXXX-X-XXXXXXX

Probes M9x100 (minimum diameter 9mm) code **09**

Probes M12x100 (minimum diameter 13mm) code **12**

Example: SAD125FG-212MF9

ADDITIONAL OPTIONS: SADXXX-X-XXXXXXX/S2

1. We can provide permanent magnetic saturation probes

| Saturation field values | Code |
|-------------------------|------|
| <500 Gauss | S1 |
| >600 Gauss | S2 |
| >1000 Gauss | S3 |

Example: SAD125FG-212MF9/S2

2. We can protect the winding with a technical plastic or non-magnetic stainless-steel ring

The code is a P at the end of the designation

Example: SAD145FG-212MF12/P

Note: These options can be combined: SAD145FG-212MF12/S1P

NOTES: For all specific requests, we can carry out the probes.

Axial probes on Sheath

Probes ECT with cable

Axial probe on Sheath: **SAGxxxx-212MFP820A4**

Characteristics:

- o Length of 130mm, for a specific length we specify it
- o Very good wear resistance
- o Connector type Amphenol 4cts or Jaeger 6 cts (possibility connector type Fischer 11 cts or Lemo 12 cts)
- o Waterproof probe

DIAMETER: SAGØØØX-212MFP820A4

Increment every 0.1mm.

*for specific diameters consult us

Example: SAG148G-212MF12P720J6

OPTIONS: SAFXXX X-212MFP820A4

Standard whole-body sensor in ertaceoustal: **S**

Guided probe: front and back ring in non-magnetic stainless steel: **G**

Example: SAG223G-212MF12

WINDING TYPE: SAFXXXX-XXX MFP820A4

Generally in Europe we use a type 2/1/2 winding.

These values correspond to the width of the winding and their spacing

*Possibility Separate transmission

FREQUENCY RANGE: SAFXXXX-XXXXXP820A4

| Diameter | Code |
|----------|------|
| Ø5mm | 050 |
| Ø9.6mm | 096 |
| Ø13mm | 130 |
| Ø13.8mm | 138 |
| ... | ... |
| Ø26mm | 260 |
| Ø28.5mm | 285 |
| ... | ... |
| Ø99.9mm | 999 |

| Winding | Code |
|--------------------------------|------|
| 1/05/1 | 151 |
| 1.5/1.5/1.5 | 111 |
| 2/1/2 | 212 |
| 4/2/4 | 424 |
| 8/4/8 | 848 |
| Separate Reception Emission | |

| / | Frequency (Hz) | | |
|-----------|----------------|-------------|------|
| | Min. | Power plant | Max. |
| UF | 1 | 5 | 10 |
| LF | 10 | 50 | 100 |
| Mf | 50 | 250 | 500 |
| Hf | 500 | 1000 | 2000 |

Example: SAD266FG-212UFP1220A4

*For specific frequencies contact us.

SHEATH TYPE AND LENGTH: [SAFXXXX-XXXXXXXXXA4](#)

| Type | Designation | Diameter | Length |
|------------|-------------|---------------------------------------|---------------|
| Polyamide | P | 4-6-8-10-12... | 15.20 or 30 m |
| Reinforced | Hp | 5/32-3/16-1/4-5/16-3/8-1/2-5/8-3/4-1" | 15.20 or 30 m |

*For the use of reinforced sheath, the \varnothing probe \geq 9mm

*For different lengths consult us

CONNECTOR TYPE: [SAGXXXX-XXX-HP5/1620XX](#)

Connector type Amphenol 4 cts code **A4**

Connector type Jaeger 6 cts code **J6**

*Possibility connector type Fischer 11 cts or 8 cts or Lemo 12 cts

Example: SAD125FG-212MFP720J6

ADDITIONAL OPTIONS: [SADXXX-X-XXXXXXXX/S2](#)

1. We can provide permanent magnetic saturation probes

| Saturation field values | Code |
|-------------------------|------|
| <500 Gauss | S1 |
| >600 Gauss | S2 |
| >1000 Gauss | S3 |

Example: SAD125S-212MFP730A4/S2

*Possibility of saturation by direct current

2. We can protect the winding with a technical plastic or non-magnetic stainless-steel ring



The code is a P at the end of the designation

Example: SAD145G-212MFP820A4/P

Note: These options can be combined: SAD145G-212MFP820J6/S1P

NOTES: For all specific requests, we can make the probes.