TECHNICAL SPECIFICATION

For delivery of probes for ultrasonic non-destructive testing

1. Description

1.1. Technical requirements for probe RTD 0° L2.25 (Ø25) - 3 pcs.

1.1.1. Stainless steel housing with dimensions w/d - 40x40 mm;

1.1.2. Lemo 00 connector on the top side;

1.1.3. Connecting water pipes 2xØ4 mm, h = 10 mm;

1.1.4. Mounting holes for 4xM4 holders, h = 10 mm;

1.1.5. Probe angle 0 ° - longitudinal waves;

1.1.6. Crystal size Ø25mm;

1.1.7. Probe frequency 2.25 MHz

1.2. Technical requirements for probe RTD 0° TRL 2.25 (Ø19) - 1 pcs.

1.2.1. Stainless steel housing with dimensions w/d - 30x30 mm;

1.2.2. Microdot connector on the top side;

1.2.3. Connecting water pipes 2xØ4 mm, h = 10 mm;

1.2.4. Mounting holes for 4xM4 holders, h = 10 mm;

1.2.5. Probe angle 0° - longitudinal waves;

1.2.6. Crystal size Ø19 mm;

1.2.7. Probe frequency 2.25 MHz

1.3. Technical requirements for probe RTD 0° TRL 2.25, 2(10x15)-1 pc.

1.3.1. Stainless steel housing with dimensions w/d - 40x40 mm;

1.3.2. Lemo 00 type connectors on the top side;

1.3.3. Connecting water pipes 2xØ4mm, h = 10 mm;

1.3.4. Mounting holes for 4xM4 holders, h = 10 mm;

1.3.5. Probe angle 0 ° - longitudinal waves;

1.3.6. Crystal size 2(10x15); focused FD ~ 10;

1.3.7. Probe frequency 2.25 MHz

1.4. Technical requirements for probe RTD Creeping Wave TRCr4-Aust., 2(6x13) - 2 pcs

1.4.1. Stainless steel housing with dimensions w/d - 25x25 mm;

1.4.2. Lemo 00 connector on the top side;

1.4.3. Crystal size 2(6x13), focused FS ~ 10;

1.4.4. Probe frequency 4.0MHz

1.5. Technical requirements for probe RTD 45° TRL 2-Aust., 2(10x18) - 2 pcs

1.5.1. Stainless steel housing with dimensions w/d - 30x30 mm;

1.5.2. Microdot connector on the top side;

1.5.3. Connecting water pipes 2xØ4 mm, h = 10 mm;

1.5.4. Mounting holes for 4xM4 holders, h = 10 mm;

1.5.5. Probe angle 45° - longitudinal waves (5750 mm/s);

1.5.6. Crystal size 2(10x18), focused FS ~ 45;

1.5.7. Probe frequency 2.0 MHz.

1.6. Technical requirements for probe RTD 60° T2-St., (25x19) -1 piece.

1.6.1. Stainless steel housing with dimensions w/d - 40x40 mm;

1.6.2. Lemo 00 connector on the top side;

1.6.3. Connecting water pipes 2xØ4 mm, h = 10 mm;

1.6.4. Mounting holes for 4xM4 holders, h = 10 mm;

1.6.5. Probe angle 60° - transverse waves (3250 mm/s);

1.6.6. Crystal size (25x19);

1.6.7. Probe frequency 2.0 MHz.

1.7. Technical requirements for probe RTD 70° TRL2-St., 2(15x25) - 1 piece

1.7.1. Stainless steel housing with dimensions w/d - 40x40 mm;

1.7.2. Lemo 00 connector on the top side;

1.7.3. Connecting water pipes 2xØ4 mm, h = 10 mm;

1.7.4. Mounting holes for 4xM4 holders, h = 10 mm;

1.7.5. Probe angle 70° - longitudinal waves (5920 mm/s);

1.7.6. Probe size 2(15x25), focused FS ~ 30;

1.7.7. Probe frequency 2.0 MHz.

1.8. Technical requirements for probe RTD 70 ° TRL2-Aust., 2(10x18) - 6 pcs

1.8.1. Stainless steel housing with dimensions w/d - 30x30 mm;

1.8.2. Microdot connector on the top side;

1.8.3. Connecting water pipes 2xØ4 mm, h = 10 mm;

1.8.4. Mounting holes for 4xM4 holders, h = 10 mm;

1.8.5. Probe angle 70° - longitudinal waves (5750 mm/s);

1.8.6. Crystal size 2(10x18), focused FS ~ 30;

1.8.7. Probe frequency 2.0 MHz.

1.9. The manufacturer must apply a certified quality system in accordance with BDS EN ISO 9001: 2015 “Quality management systems. Requirements” or equivalent(s), and must present a valid certificate.