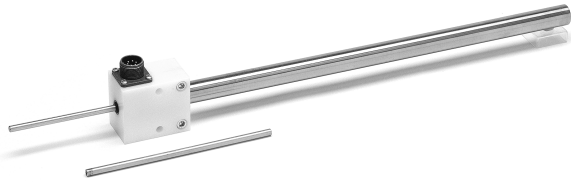


## Displacement Transducer

### FEATURES

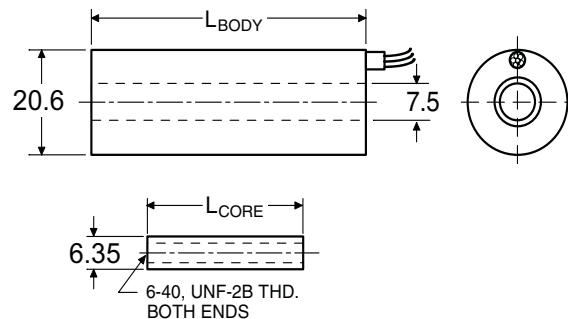
- AC-transducers suitable for most general applications
- Large core-to-bore clearance simplifies obtaining friction-less operation
- Non-magnetic tube may be interposed between the coil and core, allowing them to be different mediums
- Magnetic stainless steel housing provides electromagnetic and electrostatic shielding



### SPECIFICATIONS

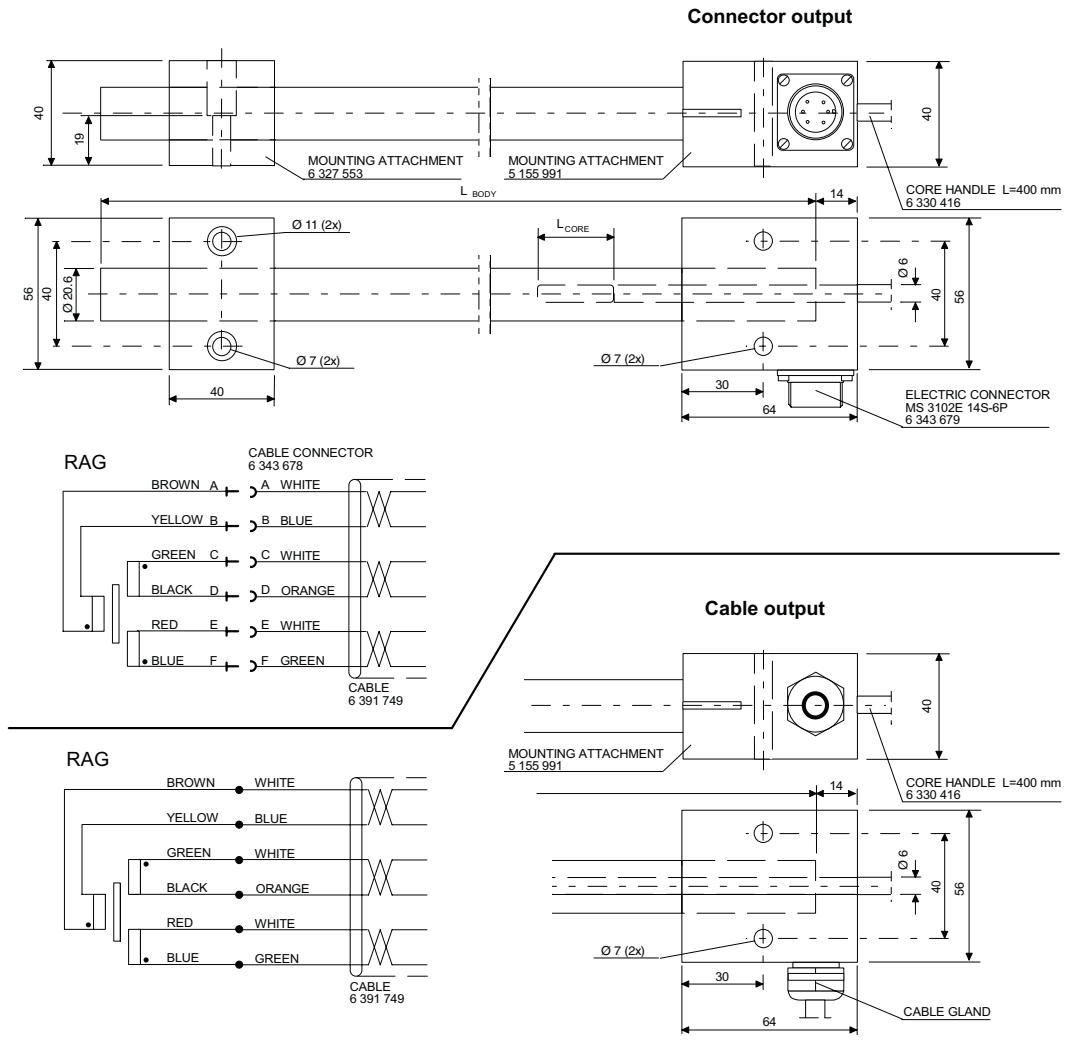
|                     |                    |                               |                   |
|---------------------|--------------------|-------------------------------|-------------------|
| Input Voltage       | 3.0 VRMS (nominal) | Null Voltage                  | < 0.5% of FSO     |
| Frequency Range     | 2.5 to 3.0kHz      | Temperature Range             | - 55°C to + 105°C |
| Linearity Error     | < ± 0.25% of FRO.  | Thermal Coeff. of Sensitivity | 0.02% C           |
| Repeatability Error | < 0.01% of FSO.    | Vibration Tolerance           | 20g to 2kHz       |

### DIMENSIONS



| DENOMINATION     | LINEAR RANGE (mm) | DIMENSIONS (mm)<br>L BODY | DIMENSIONS (mm)<br>L CORE | PRIM. IMP. (Ohms) | SENSITIVITY (mVN/mm) | ART. NO.  |
|------------------|-------------------|---------------------------|---------------------------|-------------------|----------------------|-----------|
| RAG ± 1.25/50-M  | 0 - 2.5           | 28.7                      | 20.3                      | 400               | 255                  | 1 132 326 |
| RAG ± 2.5/100-M  | 0 - 5             | 44.5                      | 31.7                      | 1000              | 155                  | 1 132 327 |
| RAG ± 5.0/200-M  | 0 - 10            | 63.5                      | 41.9                      | 1900              | 95                   | 1 132 328 |
| RAG ± 7.5/300-M  | 0 - 15            | 81.8                      | 49.5                      | 780               | 51                   | 1 132 329 |
| RAG ± 12.5/500-M | 0 - 25            | 127.5                     | 87.6                      | 1400              | 25                   | 1 132 330 |
| RAG ± 25/1000-M  | 0 - 50            | 165.4                     | 87.6                      | 1650              | 25                   | 1 132 331 |
| RAG ± 50/2000-M  | 0 - 100           | 254.5                     | 134.6                     | 1875              | 15                   | 1 132 332 |
| RAG ± 60/2500-M  | 0 - 120           | 282.7                     | 134.6                     | 875               | 9.2                  | 1 132 333 |
| RAG ± 75/3000-M  | 0 - 150           | 323.9                     | 157.5                     | 3300              | 10                   | 1 132 334 |
| RAG ± 100/4000-M | 0 - 200           | 386.1                     | 157.5                     | 425               | 7.1                  | 1 132 335 |
| RAG ± 125/5000-M | 0 - 250           | 450.9                     | 157.5                     | 1050              | 5.1                  | 1 132 337 |
| RAG 250/10000-M  | 0 - 500           | 778.3                     | 241.3                     | 1050              | 3.1                  | 1 132 338 |

### GENERAL HOUSING



| ACCESSORIES                        | ART NO    |
|------------------------------------|-----------|
| Mounting Attachment                | 6 327 553 |
| Mounting Attachment with Connector | 5 155 991 |
| Core Handle, Length 400mm          | 6 330 416 |
| Connection Cable                   | 6 391 749 |
| LVDT Signal Conditioner, LVD 3     | 110 171   |