

ALUGUARD
Molten Thermowell



ALUGUARD Molten Thermowell

What is ALUGUARD Molten Thermowell?

Aluguard is a special purpose thermowell with refractory surface which resists erosion and fast eating up-off by molten Aluminium. The refractory material along with special intrinsic packing used which provides high thermal resistance. Further no additional coating is required to prolong working life, the tip of Aluguard is constructed with special arrangement which provides good protection from high heat during dipping in molten aluminium to provide better life to sensor and thermowell.



Fig 1 Different Sizes of Thermowell with Aluguard

Features

- It provides long life in molten aluminum.
- Cost Effective as compared to other refractory coatings.
- Special arrangement tip can be used to measure temperatures of molten metal with high accuracy without damaging the sensor life.
- Rugged construction provides high strength and is suitable for harsh environment.
- Contamination free.



Fig 2 Molten Aluminium Poured from Ladle

ALUGUARD Molten Thermowell

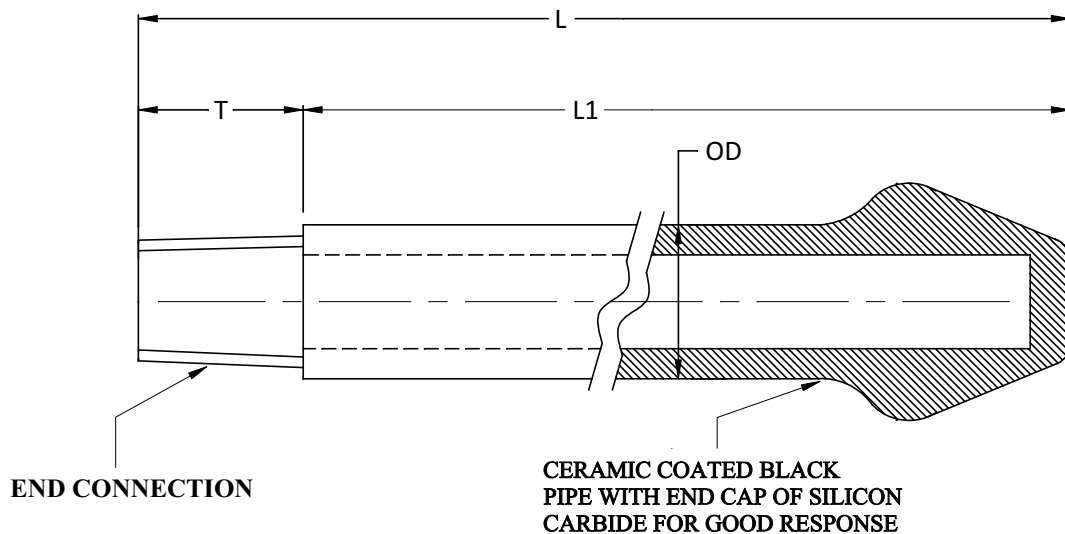
Mainly the aluminium casting industries need wide range of temperature measurement for control of various processes. Therefore they require long life, simple and economical thermowell for protecting sensing elements. The Aluguard is the best solution with High bond strength coating, Ensures permanent adhesiveness, easy mounting, ability to resist surface penetration by molten metal and slag.

Technical Specification

Temperature Range	Up to 1000°C
Length*	725 mm (Other on request)
Outer Diameter	34 mm with Coating (Other on request)
Inner Diameter	20.9 mm (Other on request)
Sheath material	Cast Steel (Other on request)
End connection	3/4" NPT (M)(Other on request)

Applications

- Mainly usable for molten Aluminium temperature measurements.
- Also other molten metals temperature measurements up to 1000°C.



* For other length consult factory

Ordering Code					
Type	OD(mm)	End Connection	T(mm)	L1(mm)	L(mm)
A-AG	X	(X)	(X)	(X)	(X)

Ordering Example : A - AG - 34 - 3/4" NPT(M) - 25 - 700 - 725

Tempsens Instruments (I) Pvt. Ltd.

B-188 A, Road No. 5, M.I.A., Udaipur-313003 (Rajasthan) INDIA

Ph. : +91-294-3507700, Fax : +91294-3507731

Email : info@tempsens.com

www.tempsens.com