



COUPLING LANCE, TYPE L



DESCRIPTION

The COUPLING LANCE is the device which realizes :
 the immersion of the disposable thermocouple into the melted steel from a convenient distance ;
 the connection of the thermocouple (through the Contact block and compensation cable) with the measuring instrument.

The product is manufactured in different alternatives, as presented in tables 1÷4 according to the following aspects :

Type of the thermocouple :

- TIN-S (R,B) for temperature measurements in ferrous and non-ferrous melted alloys
- OXIROM - S for temperature and oxygen activity measurements in steel casting processes ;
- TMS-S (R,B) for temperature measurement and sampling the melted steel

Constructive shape

- straight shape
- curved shape

Characteristic length of the thermocouples L1 ;

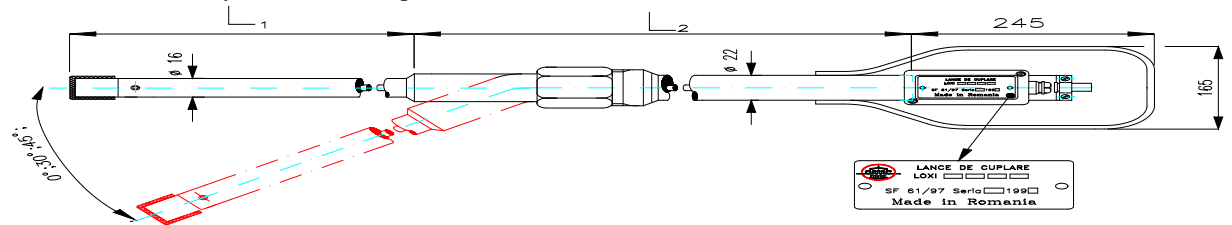
Operation length L2.

TECHNICAL DATA

- Dimensions : according to tables 1÷4
- Normal protection : IP 53 SR EN 60529-95 (Contacts Block : IP 00)
- Electrical isolating resistance : min. 20 Mohmi
- Weight : max. 10 kg

ORDERING

To order is necessary to select a complete code from the tables 1÷4



COUPLING LANCE FOR TIN - S AND TIN - R

Table 1

| Straight Execution | Curved execution 30° | Curved execution 45° | Characteristic length L1 [mm] | Operating length L2 [mm] |
|--------------------|----------------------|----------------------|-------------------------------|--------------------------|
| LTIN1010315 | LTIN1020315 | LTIN1030315 | 300 | 1500 |
| LTIN1010320 | LTIN1020320 | LTIN1030320 | | 2000 |
| LTIN1010325 | LTIN1020325 | LTIN1030325 | | 2500 |
| LTIN1010415 | LTIN1020415 | LTIN1030415 | 400 | 1500 |
| LTIN1010420 | LTIN1020420 | LTIN1030420 | | 2000 |
| LTIN1010425 | LTIN1020425 | LTIN1030425 | | 2500 |
| LTIN1010515 | LTIN1020515 | LTIN1030515 | 500 | 1500 |
| LTIN1010520 | LTIN1020520 | LTIN1030520 | | 2000 |
| LTIN1010525 | LTIN1020525 | LTIN1030525 | | 2500 |
| LTIN1010615 | LTIN1020615 | LTIN1030615 | 600 | 1500 |
| LTIN1010620 | LTIN1020620 | LTIN1030620 | | 2000 |
| LTIN1010625 | LTIN1020625 | LTIN1030625 | | 2500 |
| LTIN1010715 | LTIN1020715 | LTIN1030715 | 700 | 1500 |
| LTIN1010720 | LTIN1020720 | LTIN1030720 | | 2000 |
| LTIN1010725 | LTIN1020725 | LTIN1030725 | | 2500 |
| ** LTIN1010930 | ** LTIN1020930 | ** LTIN1030930 | 900 | 3000 |
| ** LTIN1010940 | ** LTIN1020940 | ** LTIN1030940 | | 4000 |
| ** LTIN1010950 | ** LTIN1020950 | ** LTIN1030950 | | 5000 |
| LTIN1011030 | LTIN1021030 | LTIN1031030 | 1000 | 3000 |
| LTIN1011040 | LTIN1021040 | LTIN1031040 | | 4000 |
| LTIN1011050 | LTIN1021050 | LTIN1031050 | | 5000 |
| * LTIN1011230 | * LTIN1021230 | * LTIN1031230 | 1200 | 3000 |
| * LTIN1011240 | * LTIN1021240 | * LTIN1031240 | | 4000 |
| * LTIN1011250 | * LTIN1021250 | * LTIN1031250 | | 5000 |
| LTIN1011530 | LTIN1021530 | LTIN1031530 | 1500 | 3000 |
| LTIN1011540 | LTIN1021540 | LTIN1031540 | | 4000 |
| LTIN1011550 | LTIN1021550 | LTIN1031550 | | 5000 |
| LTIN1011730 | LTIN1021730 | LTIN1031730 | 1700 | 3000 |
| LTIN1011740 | LTIN1021740 | LTIN1031740 | | 4000 |
| LTIN1011750 | LTIN1021750 | LTIN1031750 | | 5000 |

* Can be used also for TMS-S, TMS-R

** To be used only with TMS - S and TMS - R

COUPLING LANCE FOR TIN - B

Table 2

| <i>Straight Execution</i> | <i>Curved execution 30°</i> | <i>Curved execution 45°</i> | <i>Characteristic length L1 [mm]</i> | <i>Operating length L2 [mm]</i> |
|---------------------------|-----------------------------|-----------------------------|--------------------------------------|---------------------------------|
| LTIN3610315 | LTIN3620315 | LTIN3630315 | 300 | 1500 |
| LTIN3610320 | LTIN3620320 | LTIN3630320 | | 2000 |
| LTIN3610325 | LTIN3620325 | LTIN3630325 | | 2500 |
| LTIN3610415 | LTIN3620415 | LTIN3630415 | 400 | 1500 |
| LTIN3610420 | LTIN3620420 | LTIN3630420 | | 2000 |
| LTIN3610425 | LTIN3620425 | LTIN3630425 | | 2500 |
| LTIN3610515 | LTIN3620515 | LTIN3630515 | 500 | 1500 |
| LTIN3610520 | LTIN3620520 | LTIN3630520 | | 2000 |
| LTIN3610525 | LTIN3620525 | LTIN3630525 | | 2500 |
| LTIN3610615 | LTIN3620615 | LTIN3630615 | 600 | 1500 |
| LTIN3610620 | LTIN3620620 | LTIN3630620 | | 2000 |
| LTIN3610625 | LTIN3620625 | LTIN3630625 | | 2500 |
| LTIN3610715 | LTIN3620715 | LTIN3630715 | 700 | 1500 |
| LTIN3610720 | LTIN3620720 | LTIN3630720 | | 2000 |
| LTIN3610725 | LTIN3620725 | LTIN3630725 | | 2500 |
| ** LTIN3610930 | ** LTIN3620930 | ** LTIN3630930 | 900 | 3000 |
| ** LTIN3610940 | ** LTIN3620940 | ** LTIN3630940 | | 4000 |
| ** LTIN3610950 | ** LTIN3620950 | ** LTIN3630950 | | 5000 |
| LTIN3611030 | LTIN3621030 | LTIN3631030 | 1000 | 3000 |
| LTIN3611040 | LTIN3621040 | LTIN3631040 | | 4000 |
| LTIN3611050 | LTIN3621050 | LTIN3631050 | | 5000 |
| * LTIN3611230 | * LTIN3621230 | * LTIN3631230 | 1200 | 3000 |
| * LTIN3611240 | * LTIN3621240 | * LTIN3631240 | | 4000 |
| * LTIN3611250 | * LTIN3621250 | * LTIN3631250 | | 5000 |
| LTIN3611530 | LTIN3621530 | LTIN3631530 | 1500 | 3000 |
| LTIN3611540 | LTIN3621540 | LTIN3631540 | | 4000 |
| LTIN3611550 | LTIN3621550 | LTIN3631550 | | 5000 |
| LTIN3611730 | LTIN3621730 | LTIN3631730 | 1700 | 3000 |
| LTIN3611740 | LTIN3621740 | LTIN3631740 | | 4000 |
| LTIN3611750 | LTIN3621750 | LTIN3631750 | | 5000 |

* Can be used also for TMS-B

** To be used only with TMS -B

COUPLING LANCE FOR OXIROM - S

Table 3

| <i>Straight Execution</i> | <i>Characteristic length L1 [mm]</i> | <i>Operating length L2 [mm]</i> |
|---------------------------|--------------------------------------|---------------------------------|
| LOXI1011230 | 1200 | 3000 |
| LOXI1011240 | | 4000 |
| LOXI1011250 | | 5000 |
| LOXI1011530 | 1500 | 3000 |
| LOXI1011540 | | 4000 |
| LOXI1011550 | | 5000 |
| LOXI1011730 | 1700 | 3000 |
| LOXI1011740 | | 4000 |
| LOXI1011750 | | 5000 |

COUPLING LANCE FOR OXIROM - B

Table 4

| <i>Straight Execution</i> | <i>Characteristic length L1 [mm]</i> | <i>Operating length L2 [mm]</i> |
|---------------------------|--------------------------------------|---------------------------------|
| LOXI3611230 | 1200 | 3000 |
| LOXI3611240 | | 4000 |
| LOXI3611250 | | 5000 |
| LOXI3611530 | 1500 | 3000 |
| LOXI3611540 | | 4000 |
| LOXI3611550 | | 5000 |
| LOXI3611730 | 1700 | 3000 |
| LOXI3611740 | | 4000 |
| LOXI3611750 | | 5000 |