

## 2730 Sheath Grounding Unit



The 2730 Sheath Grounding Unit (SGU) is a field installed unit designed to provide maximum protection against 60 Hz induced power line currents and high voltage transient surges on cable armors. The unit is an environmentally sealed combination maximum duty failsafe arrestor and a 60 Hz series pass Induced Voltage Filter (IVF). Recommended placement is every 1500m/4921 ft. on aerial plant and at every splice point on below grade installations.

### Features

- Provides low impedance ground path for high transient voltages
- Provides low impedance ground path for 60 Hz induced voltages
- Compatible with fibre cable locate systems
- Designed for above or below grade use
- Rated at .5 amp continuous AC current
- Failsafe circuitry design
- Hybrid surge suppression circuitry
- UV resistant packaging

PROVIDES LOW  
IMPEDANCE GROUND  
PATH FOR HIGH  
TRANSIENT VOLTAGES

PROVIDES LOW  
IMPEDANCE GROUND  
PATH FOR 60 HZ  
INDUCED VOLTAGES

COMPATIBLE WITH FIBRE  
CABLE LOCATE SYSTEMS

DESIGNED FOR ABOVE  
OR BELOW GRADE USE

RATED AT .5 AMP  
CONTINUOUS AC  
CURRENT

FAILSAFE CIRCUITRY  
DESIGN

HYBRID SURGE  
SUPPRESSION  
CIRCUITRY

UV RESISTANT  
PACKAGING

For more information on any  
of our products or services,  
please visit us on the web at:  
[www.norscan.com](http://www.norscan.com)

10 TERRACON PLACE  
WINNIPEG, MB R2J4G7  
P: 204.233.9138  
F: 204.233.9188  
SALES@NORSCAN.COM  
WWW.NORSCAN.COM

## Specifications

ITEM	QUANTITY/SPECIFICATION	NOTES
<b>Inputs</b>		
Capacitance	< 30 pF	Line to ground
<b>Protection</b>		
DC Breakdown Voltage	300 - 500 VDC	
Impulse Breakdown	500v (Typical) at 100 v/μsec 750v (Max) at 100 v/μsec	
Impulse Current Rating	40,000 A	8x20μs impulsive, single cycle
AC Current Rating (Continuous)	0.5 A	
AC Current Rating (Momentary)	10 A	60Hz AC, 1s application
AC Voltage Rating (Continuous)	175 VAC	60Hz AC Continuous
<b>Induced Voltage Filtering</b>		
Voltage Reduction Ration (typical)	7:1	VI/Vf
(Zsource = 200Ω, IF = 500 ma)		
Maximum Voltage (Continuous)	20 V	AC RMS
(5 min)	250 V	AC RMS
Clamping Voltage (typical)	15 V	AC RMS
Impedance (nominal)	30 Ω @ 60 Hz (I = 500 mA) 1200 Ω @ 30 Hz 7000 Ω @ 512 Hz	
<b>Environmental</b>		
Operating Temperature	-50°C to +85°C	
Range	-58°F to +185°F	
<b>Placement Recommendation</b>		
Aerial OSP	Every 1500 m / 4921 ft	
Below Grade OSP	Each Splice Location	
<b>Model Number(s)</b>		
	2730 SGU	Sheath Grounding Unit #10 leads
	2736 SGU	Sheath Grounding Unit #6 leads

SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE

**NORSCAN**  
Instruments Ltd.