
NGVASENGQRELITETM
SERAES


## INTRロDUEING NロVA－SENSロR EL／TE

ENGINEERED FDR QUALITY AND RELIABILITY，THE INTELLIGENT AND INNGVATIVE NGVA－SENEロR ELITE ${ }^{\text {TM }}$ PROVIDES THE MOST COST EFFECTIVE FIXED GAS DETECTIGN SGLUTIGN COMBINING EASE OF INSTALLATION AND USE，INDUSTRIAL RUGGED DESIGN，AND RELIABILITY IN HAZARDIUS LOCATIGNS．


Push buttan switeh INITIATES TEST QR CALIBRATIGN SEQUENCE （ND MAGNET REQUIRED）

INNGVATIVE FEATURES ALL BUILT－IN INTロ A SINGLE GAS DETECTロR－THE NロVA－SENSロR ELITE ${ }^{\text {TM }}$ includes a high reliability micrapracessar BASED TRANSMITTER／CDNTRGLLER IN THE ASSロCIATED EXPLロSIロN－PRロロF HロபSING；PRロVIDES 4－2ロ MA ロபTPUT FロR CロNNECTIロN Tロ EXTERNAL EQUIPMENT； TWロ ALARM SET PロINTS WITH VロLTAGE－FREE CDNTACT ロபTPUTS FロR LロCAL CロNTRロL；PUSHBUTTロN SWITCH INITIATES TEST QR CALIBRATIGN SEQUENCE WITH NQ MAGNET REGUIRED；CロNTRGLLER AND GENGロR BロTH have available in Ratings up ta IP GG．Suitable FロR CLASS I DIVISIロN 1 GRロUPS B，C，D LロCATIロNS． SIMPLE Tロ INSTALL，SIMPLE Tロ ロPERATE，AND SIMPLE Tロ MAINTAIN－THE NQVA－SENSQR ELITE ${ }^{\text {TM }}$ IS SHIPPED FULLY ASSEMBLED AND PRE－CALIBRATED．THE DETECTOR CAN BE INSTALLED AND FULLY
ロPERATIGNAL IN LESS THAN 1 HロUR AND PRQVIDES －N－SCREEN CALIBRATIGN INSTRUCTIGNS Tロ INSURE ERRGR－FREE RESULTS FGR RロUTINE MAINTENANCE． FLEXIBLE INSTALLATIロN－EACH NロVA－SENGロR ELITE ${ }^{\text {TM }}$ DETECTOR CAN BE INSTALLED AS A STAND－ALロNE DEVICE ロR CロNNECTED Tロ EXTERNAL EQUIPMENT，INCLUDING SST＇S NロVA－5ロロロ FIRE ALARM CONTREL PANEL，PLC＇S，SCADA ロR DISTRIBUTED CONTRQL SYSTEMS AND ARE PRE－ASSEMBLED WITH SPECIFIC ACCESS日RIES TO MEET SPECIFIC REQUIREMENTS FQR ITS APPLICATIDN． Ecロ－FRIENDLY－םUR NロVA－SENSロR EL／TE ${ }^{\text {TM }}$ IS MADE IN THE பSA AND MANUFACTURED USING ENVIRQNMENTALLY－FRIENDLY MATERIALS AND PROCESSES． TWU ALARM GET PロINTS WITH VロLTALEFREE CロNTALT


## コロMBபSTIBLE 돕 DETERTロRS

CロMBUSTIBLE ロR FLAMMABLE CASES CAN IGNITE A FIRE AND MAY CALSE AN EXPLロSIロN WHEN BRロUGHT IN CロNTACT WITH HEAT ロR FLAME．THE USE ロF A CロMBபSTIBLE GAS DETECTロR WILL ALERT PERSロNNEL WHEN A FLAMMABLE GAS QR VAPロR IS ACCUMULATING IN A PRロTECTED AREA．Tロ WARN ロF SUCH DANGER，THE GAS DETECTOR CAN BE SET Tロ ALARM AT LEVELS CロNSIDERABLE BELロW THE PロINT WHERE THE GAS CAN BE IGNITED（THE LロWER EXPLロSIVE LIMIT ロR LEL）．THIs PERMITS CロRRECTIVE ACTIGN WHILE THE PRロTECTED AREA IS STILL SAFE．THE NQVA－SENSGR ELITE ${ }^{\text {TM }}$ IS AVAILABLE WITH THE TRADITIロNAL CATALYTIC ロR THE NEW INFRARED GENSロR TECHNロLロGY．


## Key Features

－UsEs INFRARED（IR）DETECTIGN PRINCIPLE Tロ ACCURATELY MEASURE HYDRGCARBGN CロMBUSTIBLE GAGES AND VAPロRS WITH DIGITAL READGUT aF TARGET GAS CONCENTRATIロN IN \％LEL
－IMMUNE Tロ PロISロNING
－REQUIRES FEWER CALIBRATIGNS AND LESS MAINTENANCE
－Na ロXYGEN REQUIRED Tロ DETECT HYDRGCARBGNS
－GAS READING IMMUNE Tロ WIND VELロCITY
－ 24 VロLT DC NロMINAL apERATING VロLTAGE
－CALIBRATIロN CAN BE VERIFIED WITHロUT DECLASSIFYING THE AREA
－SUITABLE FロR CLASS I DIVISIGN 1 GRロபps B，C，D LGCATIGNS

## CATALYTIC SENSING ELEMENT

HOWN WITH REMOTE SENSGR AND GAS COLLECTION CONE


## Key Features

－UGEG＂PロIGロN RESIGTANT＂RATALYTIC ロXIDATIロN TECHNIQUE Tロ ARCURATELY MEAGURE MロST cロMBபSTIBLE GASES AND VAPロRS
－PRGVIDES ACCURATE MEASUREMENTS IN ATMGSPHERES WHERE TRARES QF SILICDNE ロR ロTHER PロISロNING AGENTS MAY BE PRESENT AND READINGS ARE UNAFFECTED BY HபMIDITY．
－EXPLロSIロN－PRロロF
－SUITABLE FロR ロN－GHロRE AND ロFF－GHロRE பSE
－CロNTINUロபS DISPLAY IN A DIGITAL READGUT ロF TARGET GAS CロNGENTRATIロN IN \％LEL
－EPロXY CロATED CロPPER－FREE ALUMINUM ELECTRロNICS ENCLDGURE WITH VIEWINE WINDロW
－4－2■ MA ロபTPபT FロR ロロNNECTIロN Tロ EXTERNAL EQUIPMENT INCLUDING SST＇S NロVA－5ロロロ GAS ALARM CロNTRロL PANEL，PLR＇S，SPADA ロR DISTRIBபTED CロNTRロL SYGTEMS
－ 24 VロLT DE NロMINAL ロPERATING VロLTAGE
－SHIPPED FULLY ASSEMBLED AND PRE－CALIBRATED AND CAN BE INGTALLED AND FULLY ロPERATIロNAL IN LESS THAN 1 HロபR
－SUITABLE FロR CLASS I DIVISIロN 1 GRロபPS B，P，D LロCATIロNS

## Electrachemical Cell Sensing Element



## Key Features

－பses Maintenance－free Electrachemical cell sensing element in stainless STEEL HロபSING
－CロMPLETELY SELF－cロNTAINED DEVICE THAT MEASURES AND DISPLAYS THE CONCENTRATIGN GF GAS IN PARTS PER MILLIGN BY VロLUME ACCUMULATED IN A PROTECTED AREA
－SUITABLE FロR ロN－SHロRE AND ロFF－SHロRE USE WITH UP Tロ IPGG RATING
－4－2ロ MA ロபTPUT FロR CロNNECTIロN Tロ EXTERNAL E曰UIPMENT INCLUDING SST＇S NロVA－5ロロロ GAS ALARM CロNTRロL PANEL，PLP＇S，SRADA ロR DISTRIBLTED CロNTRロL SYSTEMS
－TWロ ALARM SET PロINTS WITH VロLTAGE－FREE CロNTACT ロUTPUTS FロR LロCAL CロNTRロL
AVAILABLE FロR THESE AND ロTHER TロXIC GASES：

| AMMONIA $\left(\mathrm{NH}_{3}\right)$ | Hydragen Sulfide $\left(\mathrm{H}_{2} \mathrm{~S}\right)$ | CARBaN MaNaxide （ㄷ口） | Nitric axide （Nロ） |
| :---: | :---: | :---: | :---: |
| CHLGRINE （CL2） | Nitracen Diaxide $\left(\mathrm{Na}_{2}\right)$ | ETHYLENE ロXIDE $\left(\mathrm{C}_{2} \mathrm{H}_{4} \mathrm{\square}\right)$ | Prapalene axide （ロСH2CHCH3） |
| HYDRGGEN CHLDRIDE （HCL） | SULFUR DIGXIDE $\left(5 \square_{2}\right)$ | HyDRacen Fluaride （HF） |  |

## INFRARED（IR）SENSINE ELEMENT



Key Features
－பses Infrared（IR）detectian principle ta accurately measure life－threatening CARBIN DIGXIDE GAS IN STAINLESS STEEL HロUSING
－CロMPLETELY SELF－CINTAINED DEVICE THAT MEASURES AND DISPLAYS THE cancentratian af Carban DigXide cas accum lated in a pratected area in \％cancentratian
－AcCURATELY DETECTS GAS IN LGCATIGNS WITH NG ロXYGEN PRESENT
－Na MaVING PARTS ロR MIRRロRS USED
－MAINTAINS CALIBRATIGN EVEN AFTER EXPGSURE Tロ HIGH GAS CGNCENTRATIGNS GR CONTINUロUS BACKGRロUND ロF GAS
－EXPLロSIロN－PRロロF
－SUITABLE FロR aN－GHロRE AND aFF－GHロRE UGE WITH UP Tロ IPGG RATING
－EPGXY CロATED CロPPER－FREE ALUMINUM ELECTRGNIGS ENCLロSURE WITH VIEWING WINDGW
－4－2ロ MA ロபTPUT FロR CロNNECTIGN Tロ EXTERNAL EQUIPMENT INCLUDING SST＇S NQVA－ 5ロロロ ᄃAS ALARM CロNTRロL PANEL，PLE＇S，GCADA ロR DISTRIBUTED CロNTRロL SYSTEMS
－TWG ALARM SET PロINTS WITH VロLTAGE－FREE CロNTACT ロUTPUTS FロR LロCAL CGNTRGL
－ロN－SCREEN STEP－BY－STEP CALIBRATIGN INSTRUCTIGNS
－SHIPPED FULLY ASSEMBLED AND PRE－CALIBRATED AND CAN BE INSTALLED AND FULLY QPERATIGNAL IN LESS THAN 1 HロLR
－DESIGNED Tロ பL，CSA，FM，ATEX AND IECEX STANDARDS
－SUITABLE FロR CLASS I DIVISIロN 1 GRロups B，C，D LGCATIGNS

## ロXYGEN DEFICIENCY／ENRICHMENT DETECTロRS

APPRロXIMATELY $2 \square .9 \%$ ロF THE EARTH＇S AIR IS CロMPロSED ロF ロXYGEN．AIR THAT IS ＂DEFICIENT＂ロF ロXYGEN IS A THREAT Tロ LIFE，LEADING Tロ UNCロNSCIロUSNESS AND EVEN DEATH． IN INDUSTRIAL FACILITIES WHERE NITRQGEN ロR ロTHER INERT GASES ARE IN USE，A GAS LEAK CロபLD Gロ UNDETECTED，AND THE RESULTING DISPLACEMENT ロF ロXYGEN FRGM THE AIR WロULD RESULT IN DEATH．THE USE ロF AN ロXYGEN SENSロR WILL ALERT PERSGNNEL ロF AN ロXYGEN DEFICIENCY IN THE AIR．IN AREAS WHERE PURE ロXYGEN IS IN USE，AN ロXYGEN LEAK IS EQUALLY DANGERGUS．AS THE PERCENTAGE ロF ロXYGEN IN THE AIR INCREASES ABGVE THE NGRMAL $2 \square .9 \%$ ，THE AIR IS SAID Tロ BE＂ENRICHED．＂ロXYGEN ENRICHMENT CAUSES A FIRE TV BURN MロRE READILY THAN NGRMAL，CALSING MANY MATERIALS Tロ BURN WITH ALMGST EXPLISIVE FロRCE．THE பSE ロF AN ロXYGEN SENSGR WILL ALERT PERSONNEL GF EXTREME FIRE DANGER SHロULD THERE BE AN ロXYEEN LEAK．

## 둘Z NロVA－SENSロREL／TE ${ }^{\text {TM }}$ ロXYGEN SENGロR

## ELECTRロCHEMICAL CELL SENSINE ELEMENT



Key Features
－பses MAINTENANCE－FREE ELECTRロCHEMICAL CELL SENSING ELEMENT IN STAINLESS STEEL HロபSING
－CロMPLETELY GELF－CENTAINED DEVICE THAT MEASLRES AND DISPLAYG THE CロNCENTRATIGN GF ロXYGEN ACCUMULATED IN A PRGTECTED AREA
－EXPLロSIロN－PRロロF
－SUITABLE FロR ロN－SHロRE AND ロFF－SHロRE USE WITH UP Tロ IPGG RATING
－CロNTINUロUS DIGPLAY IN A DIGITAL READGUT ロF TARGET ロXYGEN GGNCENTRATIGN IN PERCENTAGE
－EPGXY CロATED CGPPER－FREE ALUMINUM ELECTRGNICS ENGLGSURE WITH VIEWING WINDGW
－4－2ロ MA ロபTPUT FロR CロNNECTIGN TG EXTERNAL EGUIPMENT INGLUDING SST＇S NロVA－5ロロロ ᄃAs ALARM cロNTRロL PANEL，PLC＇S，SCADA aR DISTRIBUTED CロNTRロL SYSTEMS
－TWG ALARM SET PロINTS WITH VロLTAGE－FREE CロNTACT ロUTPUTS FGR LロCAL CGNTRGL
－ロN－SCREEN STEP－BY－STEP CALIBRATIGN INSTRUCTIGNS
－SHIPPED FULLY ASSEMBLED AND PRE－CALIBRATED AND CAN BE INSTALLED AND FULLY QPERATIGNAL IN LESS THAN 1 HロUR
－SUITABLE FロR CLASS I DIVISIGN 1 GRロups B，e，D LacATIGNS


SAFETY SYSTEMS TERHNロLロGY THRロபGH ITG FDUNDERS HAS BEEN A PIDNEER IN THE ENGINEERING，DEGIGN，AND MANUFARTURE ロF FIRE AND GAS DETERTIロN SYGTEMS FロR ロVER 25 YEARS．SST＇G PRDDLRT LINES INELUDE FLAME DETECTロRS，FIXED CDMBUSTIBLE AND TロXIE GAS DETECTロRS，ロXYGEN SENSロRS，SMロKE DETEロTロRS，HEAT DETERTロRS， FIRE AND GAS ALARM CロNTRロL PANELS，AND FIRE SUPPRESSIロN SYGTEMS，ロUR FULL LINES ロF FIREAND EAS DETECTIDN SYSTEMS AND EqUIPMENT ARE MADE IN THE ப．S．A．AND BUILT WITH THE HIGHEST QUALITY AND RELIABILITY FロR GAFETY AND PERFロRMANEE Tロ HELP PRロTECT LIVES．
 CபSTロMER SERVICE：CபSTロMERSERVICE＠SAFETYSYS．CロM

TECHNICAL SUPPロRT AND INQUIRIES


TECHNICAL SUPPロRT：TECHALERT＠SAFETYSYS．EロM

SST＇g FULL－LINE ロF FIRE AND GAS DETERTIロN SYGTEMG ARE SUPPロRTED BY A WロRLDWIDE NETWロRK ロF AUTHロRIZED SALES REPRESENTATIVEG．


Carparate affice｜ 23282 Mill creek Drive，Suite 215 ，Laguna Hills，califarnia，$u . S . A$. PHロNE 1－949－583－1857｜FAX 1－949－34ロ－6643 WWW．SAFETYSYS．CロM
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