## **AMI Family of Catalyst Characterization Instruments AMI-200** The AMI-200 is the "flagship" of AMI-200 Functions: the AMI family. It is a single Temperature Programmed Reduction station instrument, with a stand-Temperature Programmed Oxidation alone PC, and LabVIEW-based Temperature Programmed Desorption control software. It is the Pulse Chemisorption instrument upon which the rest of Flow BET the AMI-technology and software is based. The AMI-200ip is a two-The AMI-90 is an entry-level The AMI-200R is the reactionworkstation version wherein one version of the AMI instrument, version of the AMI-200. It is which sheds some features of the equipped with additional gas feeds station conducts pretreatment steps, while the second station AMI-200 like the saturator and gas and HPLC pump(s) with performs a characterization blending as a concession to vaporizer(s) to facilitate reaction experiment. Both workstations pricing. However, the AMI-90 studies. The AMI-200R is also can run either a pretreatment step operates on an unattended basis equipped with an auxiliary vent to and performs all TPR, TPO, TPD, route reactant gases directly to a or a characterization experiment. and Pulse Chemisorption secondary detection device (e.g., functions. RGA, GC, or MS). AMI-200R (HP) AMI-3200 **AMI-390** The AMI-3200 is the three-The AMI-390 is the three-AMI-200-R (HP) is the custom workstation version of the AMI-90. high-pressure version of the AMIworkstation version of the AMI-200. It provides all of the features It provides all of the features of the 200-R. It is equipped to provide of the AMI-200 instrument and can AMI-90 instrument and can run 50 barg (or more) of operating run three independent experiments three independent experiments pressure during a reaction simultaneously. It is controlled via simultaneously. It is controlled via experiment. a single PC. a single PC. **AMI-5200 AMI-590** The AMI-5200 is the five-The AMI-590 is the fiveworkstation version of the AMIworkstation version of the AMI-90, 200, which can run five which can run five independent independent experiments experiments simultaneously. It is simultaneously. It is controlled via controlled via one or two PC's. one or two PC's. AMI-8200 **AMI-890** The AMI-8200 is the eight-The AMI-890 is the eightworkstation version of the AMI-90, workstation version of the AMI-200, which can run eight which can run eight independent independent experiments experiments simultaneously. It is simultaneously. It is controlled via controlled via two PC's. two PC's.